

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
 Data File : VW020716.D
 Acq On : 28 Oct 2021 13:46
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW102821

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:39:11 PM

Quant Time: Oct 29 05:44:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 05:37:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.945	168	124665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	175327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	162446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	84591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	50178	40.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.900%		
35) Dibromofluoromethane	7.884	113	45751	44.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.960%		
50) Toluene-d8	10.323	98	174034	45.089	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.180%		
62) 4-Bromofluorobenzene	12.615	95	65947	45.288	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	21368	55.492	ug/l	95
3) Chloromethane	2.208	50	38248	51.312	ug/l	100
4) Vinyl Chloride	2.355	62	44669	51.205	ug/l	98
5) Bromomethane	2.763	94	19954	56.536	ug/l	88
6) Chloroethane	2.910	64	12663	49.889	ug/l	94
7) Trichlorofluoromethane	3.245	101	19475	47.450	ug/l	94
8) Diethyl Ether	3.684	74	25333	49.799	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.056	101	50656	50.392	ug/l	99
10) Methyl Iodide	4.263	142	59664	47.498	ug/l	98
11) Tert butyl alcohol	5.177	59	16216	248.649	ug/l	99
12) 1,1-Dichloroethene	4.037	96	49718	50.741	ug/l	97
13) Acrolein	3.891	56	6647	231.827	ug/l	95
14) Allyl chloride	4.665	41	70979	47.103	ug/l	99
15) Acrylonitrile	5.360	53	59254	248.803	ug/l	99
16) Acetone	4.123	43	76231	265.131	ug/l	98
17) Carbon Disulfide	4.379	76	136624	50.376	ug/l	99
18) Methyl Acetate	4.665	43	42381	48.366	ug/l	99
19) Methyl tert-butyl Ether	5.421	73	65988	49.145	ug/l	99
20) Methylene Chloride	4.915	84	50561	45.828	ug/l	99
21) trans-1,2-Dichloroethene	5.421	96	55663	50.793	ug/l	94
22) Diisopropyl ether	6.311	45	158543	50.437	ug/l	99
23) Vinyl Acetate	6.257	43	444408	259.813	ug/l	100
24) 1,1-Dichloroethane	6.214	63	99674	49.469	ug/l	100
25) 2-Butanone	7.171	43	87342	264.955	ug/l	99
26) 2,2-Dichloropropane	7.165	77	56557	50.447	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	60574	50.534	ug/l	100
28) Bromochloromethane	7.512	49	43160	46.099	ug/l #	99
29) Tetrahydrofuran	7.531	42	50683	254.099	ug/l	98
30) Chloroform	7.677	83	103251	49.085	ug/l	100
31) Cyclohexane	7.951	56	97327	47.396	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	81424	50.557	ug/l	98
36) 1,1-Dichloropropene	8.079	75	83039	53.091	ug/l	100
37) Ethyl Acetate	7.250	43	34893	52.276	ug/l	99
38) Carbon Tetrachloride	8.067	117	75924	52.710	ug/l	98
39) Methylcyclohexane	9.335	83	103635	54.835	ug/l	97
40) Benzene	8.323	78	229348	51.092	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	22384	57.003	ug/l #	88
42) 1,2-Dichloroethane	8.396	62	70230	50.904	ug/l	100
43) Isopropyl Acetate	8.427	43	67755	52.997	ug/l	100
44) Trichloroethene	9.091	130	61415	52.076	ug/l	98
45) 1,2-Dichloropropane	9.366	63	54572	51.542	ug/l	100
46) Dibromomethane	9.457	93	29465	51.214	ug/l	98
47) Bromodichloromethane	9.646	83	75844	51.931	ug/l	96
48) Methyl methacrylate	9.433	41	33947	54.225	ug/l	95
49) 1,4-Dioxane	9.445	88	8866	1162.383	ug/l	97
51) 4-Methyl-2-Pentanone	10.207	43	178345	266.654	ug/l	99
52) Toluene	10.390	92	145142	52.899	ug/l	98
53) t-1,3-Dichloropropene	10.603	75	78854	53.592	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	89863	53.090	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	41695	51.954	ug/l	96
56) Ethyl methacrylate	10.646	69	55539	49.269	ug/l	99
57) 1,3-Dichloropropane	10.933	76	72484	51.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.921	63	115714	243.437	ug/l	99
59) 2-Hexanone	10.969	43	133204	281.620	ug/l	100
60) Dibromochloromethane	11.128	129	51175	53.357	ug/l	98
61) 1,2-Dibromoethane	11.231	107	39417	51.321	ug/l	97
64) Tetrachloroethene	10.859	164	53855	52.060	ug/l	92
65) Chlorobenzene	11.658	112	154846	52.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	55711	51.893	ug/l	100
67) Ethyl Benzene	11.731	91	287731	53.917	ug/l	99
68) m/p-Xylenes	11.835	106	220590	106.713	ug/l	100
69) o-Xylene	12.164	106	103855	54.584	ug/l	99
70) Styrene	12.182	104	175605	53.841	ug/l	99
71) Bromoform	12.347	173	30770	52.437	ug/l #	99
73) Isopropylbenzene	12.463	105	287801	50.867	ug/l	99
74) N-amyl acetate	12.268	43	66547	49.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	47805	53.072	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	38381m	52.926	ug/l	
77) Bromobenzene	12.743	156	66416	53.733	ug/l	98
78) n-propylbenzene	12.804	91	348472	55.358	ug/l	99
79) 2-Chlorotoluene	12.889	91	196948	54.324	ug/l	100
80) 1,3,5-Trimethylbenzene	12.944	105	248427	55.903	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	15922	48.791	ug/l	98
82) 4-Chlorotoluene	12.987	91	208735	54.247	ug/l	99
83) tert-Butylbenzene	13.207	119	214123	56.678	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	247496	55.925	ug/l	99
85) sec-Butylbenzene	13.383	105	318878	56.107	ug/l	99
86) p-Isopropyltoluene	13.499	119	273762	56.732	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	136606	53.923	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	135318	53.542	ug/l	99
89) n-Butylbenzene	13.822	91	256095	56.461	ug/l	99
90) Hexachloroethane	14.090	117	48096	54.756	ug/l	100
91) 1,2-Dichlorobenzene	13.865	146	117146	52.813	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	8604	53.569	ug/l	96
93) 1,2,4-Trichlorobenzene	15.127	180	86402	56.788	ug/l	100
94) Hexachlorobutadiene	15.237	225	51789	52.677	ug/l	98
95) Naphthalene	15.365	128	148988	50.888	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	73495	53.789	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VW020716.D\data.ms

Compound	Retention Time (min)
Dichlorodifluoromethane, I	2.00
Chloromethane, P	2.00
Vinyl Chloride, C	2.00
Bromomethane, T	2.50
Chloroethane, I	2.50
Trichlorofluoromethane, T	3.00
Diethyl Ether, T	3.50
Acrolein, T	3.50
Acetone, T	4.00
Methyl Iodide, T	4.00
Carbon Disulfide, T	4.00
Methyl Acetate, T	4.50
Methylene Chloride, T	4.50
Tert butyl alcohol, T	5.00
Acrylonitrile, T	5.50
Methyl 1,2-Dichloroethane, T	5.50
1,1-Dichloroethane, T	6.00
Diisopropyl Ether, T	6.50
Ethyl Acetate, T	7.00
Methacrylonitrile, T	7.50
Chloroform, C	7.50
Dibromodifluoromethane, I	8.00
1,1,1-Trichloroethane, T	8.00
1,2-Dichloroethane, T	8.50
1,4-Difluorobenzene, I	9.00
Trichloroethene, TM	9.50
Methyl 2-bromopropionate, T	9.50
1,2-Dichloropropane, T	9.50
Bromodichloromethane, T	10.00
2-Chloroethyl Vinyl ether, T	10.00
dis-1,3-Dichloropropene, T	10.50
4-Methyl-2-Pentanone, T	10.50
Toluene, CM	10.50
Ethyl methacrylate, T	11.00
1,1,2-Trichloroethane, T	11.00
1,3-Dichloropropane, T	11.00
Hexanone, I	11.00
Dibromodichloromethane, I	11.00
1,2-Dibromodichloroethane, I	11.00
Chlorobenzene, T	11.50
Styrene, T	12.00
p-Xylene, T	12.50
Isopropylbenzene, T	12.50
Bromobenzene, T	13.00
1,1,2,2-Tetrachloroethane, T	13.00
1,2,3-Trichlorobenzene, T	13.00
4-Chlorotoluene, T	13.00
1,3,5-Trimethylbenzene, T	13.00
tert-Butylbenzene, T	13.50
sec-Butylbenzene, T	13.50
1,4-Dichlorobenzene, T	13.50
1,2-Dichlorobenzene, T	14.00
Hexachloroethane, T	14.00
1,2-Dibromo-3-Chloropropane, T	14.50
Naphthalene, I	15.00
1,2,4-Trichlorobenzene, T	15.00
Hexachlorobutadiene, I	15.00
1,2,3-Trichlorobenzene, T	15.00

Time-->