

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102221\
 Data File : VW020680.D
 Acq On : 22 Oct 2021 13:36
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/25/2021 11:56:08 AM

Quant Time: Oct 23 05:26:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 05:24:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	104792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	154631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.633	117	142706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	79367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	25403	20.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.800%#
35) Dibromofluoromethane	7.884	113	21359	21.103	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.200%#
50) Toluene-d8	10.323	98	82363	21.843	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	43.680%#
62) 4-Bromofluorobenzene	12.615	95	29970	21.619	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	43.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	4236	7.433	ug/l	98
3) Chloromethane	2.214	50	13212	14.520	ug/l	98
4) Vinyl Chloride	2.355	62	15955	11.213	ug/l	97
5) Bromomethane	2.757	94	9497	8.496	ug/l	99
6) Chloroethane	2.903	64	6635	7.131	ug/l	95
7) Trichlorofluoromethane	3.245	101	11628	13.976	ug/l	92
8) Diethyl Ether	3.684	74	9342	17.641	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.049	101	19666	17.528	ug/l	99
10) Methyl Iodide	4.269	142	23815	15.661	ug/l	98
11) Tert butyl alcohol	5.171	59	7228	117.086	ug/l #	86
12) 1,1-Dichloroethene	4.037	96	18306	17.384	ug/l	99
13) Acrolein	3.891	56	7029	144.028	ug/l	98
14) Allyl chloride	4.665	41	29096	19.639	ug/l	100
15) Acrylonitrile	5.366	53	25233	108.374	ug/l	99
16) Acetone	4.123	43	25146	115.468	ug/l	99
17) Carbon Disulfide	4.379	76	49149	15.309	ug/l	99
18) Methyl Acetate	4.677	43	16846	27.280	ug/l	98
19) Methyl tert-butyl Ether	5.433	73	32366	22.062	ug/l	96
20) Methylene Chloride	4.915	84	25547	17.613	ug/l	98
21) trans-1,2-Dichloroethene	5.427	96	20233	16.922	ug/l	95
22) Diisopropyl ether	6.317	45	60956	19.668	ug/l	98
23) Vinyl Acetate	6.256	43	174937	101.517	ug/l	99
24) 1,1-Dichloroethane	6.214	63	37508	17.375	ug/l	99
25) 2-Butanone	7.171	43	33399	111.497	ug/l	99
26) 2,2-Dichloropropane	7.165	77	24715	18.647	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	21996	17.239	ug/l	99
28) Bromochloromethane	7.512	49	15501	18.043	ug/l #	98
29) Tetrahydrofuran	7.531	42	21590	116.603	ug/l	97
30) Chloroform	7.677	83	39417	17.376	ug/l	99
31) Cyclohexane	7.951	56	35517	18.038	ug/l	97
32) 1,1,1-Trichloroethane	7.872	97	33269	17.999	ug/l	98
36) 1,1-Dichloropropene	8.085	75	30540	18.909	ug/l	99
37) Ethyl Acetate	7.256	43	15386	24.235	ug/l	99
38) Carbon Tetrachloride	8.073	117	30327	18.482	ug/l	99
39) Methylcyclohexane	9.335	83	34677	18.622	ug/l	98
40) Benzene	8.323	78	85289	19.218	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	8421	23.229	ug/l	96
42) 1,2-Dichloroethane	8.402	62	28056	20.321	ug/l	100
43) Isopropyl Acetate	8.427	43	27375	22.938	ug/l	99
44) Trichloroethene	9.091	130	22675	19.334	ug/l	99
45) 1,2-Dichloropropane	9.366	63	20396	18.901	ug/l	99
46) Dibromomethane	9.457	93	11620	18.998	ug/l	99
47) Bromodichloromethane	9.646	83	28226	18.617	ug/l	99
48) Methyl methacrylate	9.439	41	12565	23.649	ug/l	99
49) 1,4-Dioxane	9.451	88	3066	390.849	ug/l	95
51) 4-Methyl-2-Pentanone	10.213	43	76911	122.446	ug/l	99
52) Toluene	10.390	92	54759	19.479	ug/l	98
53) t-1,3-Dichloropropene	10.609	75	29151	19.789	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	32525	19.135	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	16826	20.065	ug/l	94
56) Ethyl methacrylate	10.646	69	20762	21.588	ug/l	98
57) 1,3-Dichloropropane	10.932	76	28428	19.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.926	63	52154	118.791	ug/l	98
59) 2-Hexanone	10.969	43	53885	126.159	ug/l	99
60) Dibromochloromethane	11.127	129	19327	19.993	ug/l	99
61) 1,2-Dibromoethane	11.237	107	15816	20.057	ug/l	100
64) Tetrachloroethene	10.865	164	20929	20.953	ug/l	93
65) Chlorobenzene	11.658	112	58131	19.163	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.731	131	20796	19.201	ug/l	99
67) Ethyl Benzene	11.731	91	103654	19.351	ug/l	100
68) m/p-Xylenes	11.841	106	81860	39.024	ug/l	99
69) o-Xylene	12.164	106	37887	19.761	ug/l	96
70) Styrene	12.182	104	65694	20.132	ug/l	100
71) Bromoform	12.347	173	12483	22.590	ug/l #	99
73) Isopropylbenzene	12.463	105	104278	18.814	ug/l	100
74) N-amyl acetate	12.274	43	25961	21.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	20687	19.857	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	17067m	22.274	ug/l	
77) Bromobenzene	12.749	156	26178	20.050	ug/l	95
78) n-propylbenzene	12.804	91	129049	18.540	ug/l	98
79) 2-Chlorotoluene	12.889	91	74183	18.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	91311	18.694	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.511	75	6280	20.012	ug/l	97
82) 4-Chlorotoluene	12.987	91	79511	18.719	ug/l	99
83) tert-Butylbenzene	13.200	119	77856	18.887	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	91909	19.278	ug/l	98
85) sec-Butylbenzene	13.383	105	116329	18.701	ug/l	98
86) p-Isopropyltoluene	13.499	119	103214	19.775	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	53045	19.238	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	51448	18.841	ug/l	97
89) n-Butylbenzene	13.822	91	92306	18.493	ug/l	99
90) Hexachloroethane	14.090	117	17411	17.649	ug/l	97
91) 1,2-Dichlorobenzene	13.871	146	47445	19.943	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.480	75	3535	20.351	ug/l	95
93) 1,2,4-Trichlorobenzene	15.127	180	31184	21.084	ug/l	96
94) Hexachlorobutadiene	15.230	225	19846	22.327	ug/l	99
95) Naphthalene	15.364	128	54897	21.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.547	180	27928	21.421	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

