

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
 Data File : VW020712.D
 Acq On : 28 Oct 2021 10:25
 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
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MMDadoda
 10/29/2021 4:39:03 PM

Quant Time: Oct 29 04:57:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 04:51:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	120828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	178267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	165628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	90712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	25286	21.290	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.580%#		
35) Dibromofluoromethane	7.885	113	21937	20.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.960%#		
50) Toluene-d8	10.323	98	86554	22.055	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.100%#		
62) 4-Bromofluorobenzene	12.615	95	31821	21.492	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	42.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	4594	15.479	ug/l	100
3) Chloromethane	2.215	50	12829	17.757	ug/l	100
4) Vinyl Chloride	2.355	62	14952	17.684	ug/l	96
5) Bromomethane	2.757	94	5750	16.809	ug/l	96
6) Chloroethane	2.910	64	2713	12.897	ug/l	89
7) Trichlorofluoromethane	3.245	101	7128	17.918	ug/l	90
8) Diethyl Ether	3.684	74	8483	17.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.062	101	17412	17.871	ug/l	99
10) Methyl Iodide	4.269	142	19342	17.623	ug/l	98
11) Tert butyl alcohol	5.178	59	5394	85.336	ug/l	98
12) 1,1-Dichloroethene	4.038	96	16419	17.289	ug/l	97
13) Acrolein	3.897	56	2816	101.332	ug/l	98
14) Allyl chloride	4.666	41	25400	17.391	ug/l	99
15) Acrylonitrile	5.361	53	19860	86.039	ug/l	99
16) Acetone	4.123	43	17909	67.396	ug/l	94
17) Carbon Disulfide	4.379	76	45648	17.366	ug/l	99
18) Methyl Acetate	4.672	43	14754	17.372	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	22726	17.463	ug/l	99
20) Methylene Chloride	4.916	84	21387	16.956	ug/l	98
21) trans-1,2-Dichloroethene	5.422	96	18145	17.083	ug/l	96
22) Diisopropyl ether	6.312	45	54270	17.813	ug/l	96
23) Vinyl Acetate	6.257	43	142265	85.813	ug/l	100
24) 1,1-Dichloroethane	6.214	63	34379	17.604	ug/l	99
25) 2-Butanone	7.177	43	25834	80.857	ug/l	97
26) 2,2-Dichloropropane	7.165	77	19051	17.533	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	19989	17.206	ug/l	99
28) Bromochloromethane	7.513	49	17309	19.075	ug/l #	98
29) Tetrahydrofuran	7.537	42	16831	87.062	ug/l	100
30) Chloroform	7.677	83	35784	17.552	ug/l	97
31) Cyclohexane	7.958	56	34976	17.573	ug/l	97
32) 1,1,1-Trichloroethane	7.872	97	26874	17.216	ug/l	98
36) 1,1-Dichloropropene	8.086	75	27616	17.365	ug/l	99
37) Ethyl Acetate	7.250	43	11596	17.086	ug/l	99
38) Carbon Tetrachloride	8.067	117	25755	17.585	ug/l	96
39) Methylcyclohexane	9.335	83	32983	17.164	ug/l	95
40) Benzene	8.323	78	78481	17.195	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	6954	17.417	ug/l	91
42) 1,2-Dichloroethane	8.403	62	24591	17.530	ug/l	99
43) Isopropyl Acetate	8.421	43	21976	16.906	ug/l	98
44) Trichloroethene	9.092	130	21055	17.559	ug/l	98
45) 1,2-Dichloropropane	9.366	63	18992	17.642	ug/l	96
46) Dibromomethane	9.457	93	9956	17.019	ug/l	99
47) Bromodichloromethane	9.646	83	25881	17.429	ug/l	96
48) Methyl methacrylate	9.439	41	10874m	17.696	ug/l	
49) 1,4-Dioxane	9.451	88	2656	342.474	ug/l	96
51) 4-Methyl-2-Pentanone	10.207	43	58854	86.545	ug/l	99
52) Toluene	10.384	92	48585	17.415	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	25086	16.768	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	29597	17.197	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	14458	17.718	ug/l	95
56) Ethyl methacrylate	10.646	69	16945	16.626	ug/l	98
57) 1,3-Dichloropropane	10.933	76	24941	17.522	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.921	63	51946	107.481	ug/l	98
59) 2-Hexanone	10.969	43	40539	84.294	ug/l	99
60) Dibromochloromethane	11.128	129	16494	16.914	ug/l	99
61) 1,2-Dibromoethane	11.238	107	13525	17.319	ug/l	99
64) Tetrachloroethene	10.866	164	18588	17.623	ug/l	95
65) Chlorobenzene	11.658	112	52720	17.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	18415	16.823	ug/l	99
67) Ethyl Benzene	11.731	91	94865	17.435	ug/l	99
68) m/p-Xylenes	11.841	106	74293	35.250	ug/l	100
69) o-Xylene	12.164	106	33609	17.325	ug/l	100
70) Styrene	12.182	104	58690	17.649	ug/l	100
71) Bromoform	12.347	173	10553	17.638	ug/l #	98
73) Isopropylbenzene	12.463	105	92819	16.950	ug/l	99
74) N-amyl acetate	12.274	43	20768	16.556	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	16566	17.150	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	13425m	27.593	ug/l	
77) Bromobenzene	12.743	156	23162	17.474	ug/l	98
78) n-propylbenzene	12.804	91	115677	17.137	ug/l	100
79) 2-Chlorotoluene	12.890	91	66211	17.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	83581	17.539	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	5031	16.158	ug/l	91
82) 4-Chlorotoluene	12.987	91	71519	17.332	ug/l	98
83) tert-Butylbenzene	13.207	119	70295	17.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	82482	17.380	ug/l	99
85) sec-Butylbenzene	13.384	105	106217	17.428	ug/l	99
86) p-Isopropyltoluene	13.493	119	91370	17.657	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	47582	17.515	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	47505	17.528	ug/l	97
89) n-Butylbenzene	13.822	91	83922	17.254	ug/l	99
90) Hexachloroethane	14.091	117	15882	16.861	ug/l	98
91) 1,2-Dichlorobenzene	13.865	146	42007	17.660	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2957	17.168	ug/l	90
93) 1,2,4-Trichlorobenzene	15.133	180	28392	17.401	ug/l	99
94) Hexachlorobutadiene	15.231	225	19091	18.108	ug/l	96
95) Naphthalene	15.365	128	44292	16.326	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	26373	17.999	ug/l	95

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

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