

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020918.D
 Acq On : 17 Nov 2021 22:12
 Operator : SY/VA
 Sample : M4068-01 4PPBL0D
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 18 05:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:29:41 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	80060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	116577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	107464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	56527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	38187	51.493	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.884	113	37202	50.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.760%			
50) Toluene-d8	10.323	98	140840	52.515	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.040%			
62) 4-Bromofluorobenzene	12.615	95	51289	51.279	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.007	85	538	3.695	ug/l	95
3) Chloromethane	2.215	50	2012	4.366	ug/l	99
4) Vinyl Chloride	2.355	62	3149	3.880	ug/l	94
5) Bromomethane	2.769	94	2890	5.533	ug/l	97
6) Chloroethane	2.916	64	1236	3.951	ug/l	95
7) Trichlorofluoromethane	3.245	101	1412	4.195	ug/l	93
8) Diethyl Ether	3.678	74	1588	4.492	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.062	101	2941	4.236	ug/l	98
10) Methyl Iodide	4.269	142	4017	3.836	ug/l	99
11) Tert butyl alcohol	5.165	59	1288m	19.714	ug/l	
12) 1,1-Dichloroethene	4.037	96	2656	3.904	ug/l	92
13) Acrolein	3.891	56	141	12.477	ug/l #	61
14) Allyl chloride	4.665	41	4030	4.125	ug/l	97
15) Acrylonitrile	5.373	53	3061	20.013	ug/l	98
16) Acetone	4.129	43	3770	24.456	ug/l	98
17) Carbon Disulfide	4.385	76	7295	3.902	ug/l	98
18) Methyl Acetate	4.684	43	2473	4.597	ug/l	91
19) Methyl tert-butyl Ether	5.427	73	5099	4.349	ug/l #	90
20) Methylene Chloride	4.915	84	4591	5.332	ug/l	93
21) trans-1,2-Dichloroethene	5.421	96	3291	4.249	ug/l	92
22) Diisopropyl ether	6.311	45	8137	4.060	ug/l	98
23) Vinyl Acetate	6.257	43	23066	19.666	ug/l	95
24) 1,1-Dichloroethane	6.214	63	5357	4.201	ug/l	97
25) 2-Butanone	7.177	43	4750	21.695	ug/l	95
26) 2,2-Dichloropropane	7.159	77	3991	4.411	ug/l	95
27) cis-1,2-Dichloroethene	7.171	96	3532	4.082	ug/l	95
28) Bromochloromethane	7.512	49	2361	4.375	ug/l #	97
29) Tetrahydrofuran	7.531	42	2740	20.636	ug/l	100
30) Chloroform	7.677	83	5821	4.149	ug/l	94
31) Cyclohexane	7.951	56	6287	5.082	ug/l #	86
32) 1,1,1-Trichloroethane	7.872	97	4921	4.154	ug/l	98
36) 1,1-Dichloropropene	8.086	75	4389	4.191	ug/l	98
37) Ethyl Acetate	7.256	43	2288	4.790	ug/l #	87
38) Carbon Tetrachloride	8.073	117	4488	4.028	ug/l	98
39) Methylcyclohexane	9.335	83	5505	4.187	ug/l	100
40) Benzene	8.323	78	14711	4.927	ug/l	96

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41) Methacrylonitrile	7.494	41	1024	4.020	ug/l	91
42) 1,2-Dichloroethane	8.403	62	4071	4.494	ug/l	100
43) Isopropyl Acetate	8.421	43	3831	4.086	ug/l	98
44) Trichloroethene	9.091	130	3814	4.378	ug/l	99
45) 1,2-Dichloropropane	9.366	63	3005	4.370	ug/l	98
46) Dibromomethane	9.463	93	1959	4.496	ug/l	93
47) Bromodichloromethane	9.646	83	4237	4.110	ug/l	98
48) Methyl methacrylate	9.439	41	1564	3.750	ug/l	97
49) 1,4-Dioxane	9.451	88	565	89.994	ug/l	97
51) 4-Methyl-2-Pentanone	10.213	43	10641	22.293	ug/l	97
52) Toluene	10.384	92	8234	4.290	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	3864	3.775	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	4692	4.051	ug/l	99
55) 1,1,2-Trichloroethane	10.780	97	2475	4.237	ug/l	98
56) Ethyl methacrylate	10.646	69	3046	4.095	ug/l	97
57) 1,3-Dichloropropane	10.933	76	4272	4.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	7451	19.904	ug/l	97
59) 2-Hexanone	10.969	43	6719	20.235	ug/l	97
60) Dibromochloromethane	11.128	129	3037	4.124	ug/l	95
61) 1,2-Dibromoethane	11.231	107	2395	4.132	ug/l	93
64) Tetrachloroethene	10.859	164	3559	4.458	ug/l	89
65) Chlorobenzene	11.652	112	9210	4.263	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.731	131	3311	4.121	ug/l	96
67) Ethyl Benzene	11.731	91	15514	4.092	ug/l	98
68) m/p-Xylenes	11.835	106	12644	8.249	ug/l	99
69) o-Xylene	12.164	106	6149	4.278	ug/l	99
70) Styrene	12.176	104	9828	4.071	ug/l	99
71) Bromoform	12.347	173	1677	3.611	ug/l #	96
73) Isopropylbenzene	12.463	105	15643	4.050	ug/l	100
74) N-amyl acetate	12.274	43	3605	3.918	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	2752	4.084	ug/l	93
76) 1,2,3-Trichloropropane	12.768	75	2186m	4.304	ug/l	
77) Bromobenzene	12.743	156	4109	4.379	ug/l	97
78) n-propylbenzene	12.804	91	18696	4.109	ug/l	98
79) 2-Chlorotoluene	12.890	91	10830	4.119	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	12808	3.867	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.505	75	710m	3.288	ug/l	
82) 4-Chlorotoluene	12.987	91	11373	4.078	ug/l	99
83) tert-Butylbenzene	13.207	119	12241	4.135	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	13405	4.098	ug/l	99
85) sec-Butylbenzene	13.377	105	17195	4.036	ug/l	97
86) p-Isopropyltoluene	13.493	119	14477	3.941	ug/l	96
87) 1,3-Dichlorobenzene	13.499	146	7984	4.199	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	8183	4.282	ug/l	93
89) n-Butylbenzene	13.822	91	13318	4.038	ug/l	98
90) Hexachloroethane	14.091	117	2653	3.835	ug/l	89
91) 1,2-Dichlorobenzene	13.871	146	7165	4.289	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	467	3.946	ug/l	96
93) 1,2,4-Trichlorobenzene	15.133	180	5329	4.477	ug/l	97
94) Hexachlorobutadiene	15.231	225	3012	4.462	ug/l	93
95) Naphthalene	15.365	128	9540	4.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	4437	4.227	ug/l	95

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

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