

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110221\
 Data File : VW020746.D
 Acq On : 02 Nov 2021 19:16
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 03 02:49:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W110121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 03 02:49:21 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/03/2021
 Supervised By :Mahesh Dadoda 11/03/2021

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	30620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	49539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	46407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	23819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	14450	50.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.640%		
35) Dibromofluoromethane	7.884	113	14896	47.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.620%		
50) Toluene-d8	10.323	98	51483	46.952	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.900%		
62) 4-Bromofluorobenzene	12.615	95	17365	44.945	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.880%		
Target Compounds					Qvalue	
3) Chloromethane	2.215	50	506	2.802	ug/l	91
4) Vinyl Chloride	2.349	62	892	2.554	ug/l	88
5) Bromomethane	2.763	94	852	2.880	ug/l #	52
6) Chloroethane	2.910	64	390	2.591	ug/l #	88
7) Trichlorofluoromethane	3.251	101	249	2.150	ug/l	92
8) Diethyl Ether	3.678	74	251	2.168	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.062	101	759	2.758	ug/l #	80
10) Methyl Iodide	4.269	142	845	2.388	ug/l #	90
11) Tert butyl alcohol	5.178	59	19	1.604	ug/l #	77
12) 1,1-Dichloroethene	4.031	96	680	2.648	ug/l #	72
14) Allyl chloride	4.665	41	427	2.160	ug/l #	83
15) Acrylonitrile	5.379	53	476	10.747	ug/l #	79
16) Acetone	4.129	43	666	16.079	ug/l	93
17) Carbon Disulfide	4.379	76	1722	2.663	ug/l #	94
18) Methyl Acetate	4.678	43	299	2.085	ug/l #	41
19) Methyl tert-butyl Ether	5.421	73	613	2.083	ug/l #	59
20) Methylene Chloride	4.915	84	3970	11.058	ug/l #	95
21) trans-1,2-Dichloroethene	5.428	96	674	2.376	ug/l #	81
22) Diisopropyl ether	6.318	45	1066	2.112	ug/l #	80
23) Vinyl Acetate	6.257	43	2803m	10.053	ug/l	
24) 1,1-Dichloroethane	6.208	63	1221	2.809	ug/l #	79
25) 2-Butanone	7.177	43	578	10.902	ug/l #	81
26) 2,2-Dichloropropane	7.165	77	648	2.488	ug/l #	58
27) cis-1,2-Dichloroethene	7.171	96	786	2.526	ug/l	91
28) Bromochloromethane	7.513	49	478	2.752	ug/l #	97
29) Tetrahydrofuran	7.543	42	317	10.131	ug/l #	64
30) Chloroform	7.671	83	1544	2.858	ug/l	87
31) Cyclohexane	7.951	56	1298	3.388	ug/l #	72
32) 1,1,1-Trichloroethane	7.872	97	1086	2.525	ug/l	96
36) 1,1-Dichloropropene	8.073	75	956	2.398	ug/l	89
37) Ethyl Acetate	7.256	43	212	1.692	ug/l #	63
38) Carbon Tetrachloride	8.073	117	1128	2.642	ug/l #	81
39) Methylcyclohexane	9.335	83	1056	2.195	ug/l #	82
40) Benzene	8.323	78	4065	3.539	ug/l	96
41) Methacrylonitrile	7.537	41	184	2.979	ug/l #	12
42) 1,2-Dichloroethane	8.403	62	904	2.755	ug/l	86

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Reviewed By :Vimala Arumugam 11/03/2021
 Supervised By :Mahesh Dadoda 11/03/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.421	43	543	2.302	ug/l #	63
44) Trichloroethene	9.085	130	916	2.599	ug/l	98
45) 1,2-Dichloropropane	9.366	63	602	2.422	ug/l #	89
46) Dibromomethane	9.451	93	428	2.441	ug/l	92
47) Bromodichloromethane	9.646	83	1125	2.744	ug/l #	76
48) Methyl methacrylate	9.439	41	157	1.464	ug/l #	80
51) 4-Methyl-2-Pentanone	10.207	43	1305	10.297	ug/l	95
52) Toluene	10.390	92	2018	2.706	ug/l	93
53) t-1,3-Dichloropropene	10.603	75	828	2.198	ug/l #	87
54) cis-1,3-Dichloropropene	10.073	75	915	2.132	ug/l #	91
55) 1,1,2-Trichloroethane	10.786	97	602	2.495	ug/l #	85
56) Ethyl methacrylate	10.640	69	441	1.726	ug/l	96
57) 1,3-Dichloropropane	10.933	76	918	2.418	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.927	63	1084	9.749	ug/l	98
59) 2-Hexanone	10.969	43	919	10.373	ug/l	90
60) Dibromochloromethane	11.128	129	740	2.461	ug/l	94
61) 1,2-Dibromoethane	11.231	107	632	2.633	ug/l	87
64) Tetrachloroethene	10.866	164	789	2.605	ug/l #	91
65) Chlorobenzene	11.658	112	2202	2.528	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.725	131	811	2.526	ug/l	95
67) Ethyl Benzene	11.731	91	3123	2.150	ug/l #	79
68) m/p-Xylenes	11.841	106	2515	4.288	ug/l	96
69) o-Xylene	12.164	106	1079	1.970	ug/l	92
70) Styrene	12.176	104	1814	1.960	ug/l	99
71) Bromoform	12.341	173	386	2.127	ug/l #	96
73) Isopropylbenzene	12.463	105	2844	2.028	ug/l	100
74) N-amyl acetate	12.274	43	373	1.725	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.713	83	755	2.853	ug/l	87
76) 1,2,3-Trichloropropane	12.768	75	373m	2.022	ug/l	
77) Bromobenzene	12.743	156	922	2.596	ug/l	98
78) n-propylbenzene	12.804	91	4246	2.509	ug/l	96
79) 2-Chlorotoluene	12.890	91	2133	2.224	ug/l	93
80) 1,3,5-Trimethylbenzene	12.944	105	2485	2.060	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.506	75	103m	1.374	ug/l	
82) 4-Chlorotoluene	12.987	91	2424	2.417	ug/l	99
83) tert-Butylbenzene	13.207	119	2432	2.315	ug/l	91
84) 1,2,4-Trimethylbenzene	13.249	105	2645	2.235	ug/l	100
85) sec-Butylbenzene	13.377	105	3491	2.205	ug/l	98
86) p-Isopropyltoluene	13.493	119	2793	2.098	ug/l	98
87) 1,3-Dichlorobenzene	13.493	146	1757	2.368	ug/l	88
88) 1,4-Dichlorobenzene	13.572	146	2065	2.820	ug/l	88
89) n-Butylbenzene	13.822	91	2837	2.287	ug/l	98
90) Hexachloroethane	14.084	117	656	2.506	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	1800	2.765	ug/l	90
93) 1,2,4-Trichlorobenzene	15.133	180	969	2.358	ug/l	98
94) Hexachlorobutadiene	15.231	225	583	2.613	ug/l	83
95) Naphthalene	15.365	128	1665	2.245	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.554	180	986	2.747	ug/l	97

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

