

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110221\
 Data File : VW020748.D
 Acq On : 02 Nov 2021 20:04
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Nov 03 02:51:01 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	7.946	168	31757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	52316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	49007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	26012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	14652	49.688	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.380%		
35) Dibromofluoromethane	7.878	113	16415	49.370	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.740%		
50) Toluene-d8	10.323	98	53720	46.391	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.615	95	19345	47.412	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	259	3.198	ug/l #	37
3) Chloromethane	2.215	50	1165	6.220	ug/l #	77
4) Vinyl Chloride	2.355	62	2250	6.212	ug/l	94
5) Bromomethane	2.764	94	1924	6.270	ug/l	95
6) Chloroethane	2.916	64	875	5.606	ug/l #	87
7) Trichlorofluoromethane	3.245	101	791	6.585	ug/l	97
8) Diethyl Ether	3.684	74	728	6.062	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.056	101	1730	6.062	ug/l #	84
10) Methyl Iodide	4.263	142	2299	6.263	ug/l	98
11) Tert butyl alcohol	5.178	59	327	26.618	ug/l #	77
12) 1,1-Dichloroethene	4.032	96	1623	6.094	ug/l	94
13) Acrolein	3.904	56	42	9.445	ug/l #	17
14) Allyl chloride	4.672	41	1265	6.169	ug/l	98
15) Acrylonitrile	5.367	53	1317	28.670	ug/l	95
16) Acetone	4.123	43	1493	34.754	ug/l	93
17) Carbon Disulfide	4.379	76	4326	6.451	ug/l #	93
18) Methyl Acetate	4.678	43	942	6.333	ug/l	95
19) Methyl tert-butyl Ether	5.422	73	1870	6.127	ug/l	97
20) Methylene Chloride	4.916	84	6518	17.505	ug/l	94
21) trans-1,2-Dichloroethene	5.422	96	1777	6.040	ug/l #	84
22) Diisopropyl ether	6.312	45	2907	5.554	ug/l #	86
23) Vinyl Acetate	6.257	43	7517m	25.995	ug/l	
24) 1,1-Dichloroethane	6.220	63	2927	6.493	ug/l #	93
25) 2-Butanone	7.177	43	1495	27.187	ug/l	96
26) 2,2-Dichloropropane	7.159	77	1830	6.775	ug/l	84
27) cis-1,2-Dichloroethene	7.171	96	1783	5.524	ug/l	94
28) Bromochloromethane	7.513	49	972	5.396	ug/l #	98
29) Tetrahydrofuran	7.531	42	914	28.164	ug/l	89
30) Chloroform	7.683	83	3743	6.681	ug/l	93
31) Cyclohexane	7.952	56	2570	6.468	ug/l #	88
32) 1,1,1-Trichloroethane	7.878	97	2864	6.420	ug/l	99
36) 1,1-Dichloropropene	8.080	75	2576	6.118	ug/l	93
37) Ethyl Acetate	7.251	43	709	5.358	ug/l #	63
38) Carbon Tetrachloride	8.061	117	2689	5.965	ug/l	97
39) Methylcyclohexane	9.336	83	2626	5.170	ug/l	96
40) Benzene	8.324	78	8089	6.668	ug/l	97

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41) Methacrylonitrile	7.476	41	349	5.350	ug/l #	23
42) 1,2-Dichloroethane	8.397	62	2279	6.577	ug/l	94
43) Isopropyl Acetate	8.421	43	1296	5.203	ug/l	97
44) Trichloroethene	9.092	130	2178	5.853	ug/l	78
45) 1,2-Dichloropropane	9.372	63	1625	6.192	ug/l	96
46) Dibromomethane	9.457	93	1008	5.445	ug/l	91
47) Bromodichloromethane	9.646	83	2532	5.847	ug/l	100
48) Methyl methacrylate	9.439	41	631	5.572	ug/l	81
49) 1,4-Dioxane	9.445	88	245	110.012	ug/l #	65
51) 4-Methyl-2-Pentanone	10.207	43	3551	26.533	ug/l	97
52) Toluene	10.384	92	4764	6.049	ug/l	96
53) t-1,3-Dichloropropene	10.604	75	2203	5.538	ug/l #	86
54) cis-1,3-Dichloropropene	10.073	75	2583	5.700	ug/l	90
55) 1,1,2-Trichloroethane	10.787	97	1574	6.176	ug/l #	89
56) Ethyl methacrylate	10.640	69	1381	5.118	ug/l	93
57) 1,3-Dichloropropane	10.927	76	2436	6.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	2649	22.558	ug/l	97
59) 2-Hexanone	10.969	43	2480	26.506	ug/l	90
60) Dibromochloromethane	11.128	129	1876	5.908	ug/l	94
61) 1,2-Dibromoethane	11.232	107	1472	5.807	ug/l	95
64) Tetrachloroethene	10.860	164	1960	6.128	ug/l #	86
65) Chlorobenzene	11.658	112	5361	5.828	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.731	131	2081	6.138	ug/l	97
67) Ethyl Benzene	11.731	91	8514	5.551	ug/l	99
68) m/p-Xylenes	11.841	106	7009	11.316	ug/l	99
69) o-Xylene	12.164	106	2978	5.150	ug/l	96
70) Styrene	12.183	104	4974	5.089	ug/l	96
71) Bromoform	12.347	173	1101	5.746	ug/l #	97
73) Isopropylbenzene	12.463	105	8064	5.264	ug/l	97
74) N-amyl acetate	12.274	43	1191	5.044	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	1740	6.022	ug/l	98
76) 1,2,3-Trichloropropane	12.774	75	1376m	6.831	ug/l	
77) Bromobenzene	12.743	156	2287	5.897	ug/l	96
78) n-propylbenzene	12.804	91	10717	5.798	ug/l	98
79) 2-Chlorotoluene	12.890	91	6187	5.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.945	105	7491	5.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.518	75	349	4.264	ug/l #	73
82) 4-Chlorotoluene	12.987	91	6434	5.874	ug/l	99
83) tert-Butylbenzene	13.201	119	5739	5.003	ug/l	93
84) 1,2,4-Trimethylbenzene	13.249	105	7439	5.756	ug/l	98
85) sec-Butylbenzene	13.378	105	9723	5.624	ug/l	97
86) p-Isopropyltoluene	13.493	119	8108	5.576	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	4785	5.905	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	5109	6.389	ug/l	97
89) n-Butylbenzene	13.823	91	7298	5.387	ug/l	92
90) Hexachloroethane	14.091	117	1722	6.023	ug/l	97
91) 1,2-Dichlorobenzene	13.865	146	4128	5.806	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.487	75	149	3.508	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.127	180	2409	5.369	ug/l	96
94) Hexachlorobutadiene	15.237	225	1429	5.865	ug/l	97
95) Naphthalene	15.365	128	4078	5.035	ug/l	96
96) 1,2,3-Trichlorobenzene	15.554	180	2104	5.368	ug/l	97

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

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