

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102621\
 Data File : VW020699.D
 Acq On : 26 Oct 2021 15:08
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/27/2021 5:02:21 PM

Quant Time: Oct 27 06:08:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 06:07:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.946	168	114254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	166780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	155124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	81611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	54062	42.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.180%		
35) Dibromofluoromethane	7.885	113	46168	42.328	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.660%		
50) Toluene-d8	10.323	98	183525	44.022	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.040%		
62) 4-Bromofluorobenzene	12.615	95	68888	45.076	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	649	2.156	ug/l	92
3) Chloromethane	2.209	50	4041	5.345	ug/l	99
4) Vinyl Chloride	2.355	62	4448	4.587	ug/l	93
5) Bromomethane	2.764	94	3199	5.550	ug/l	98
6) Chloroethane	2.904	64	1872	4.344	ug/l	93
7) Trichlorofluoromethane	3.245	101	3191	4.600	ug/l	95
8) Diethyl Ether	3.684	74	2632	4.756	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.056	101	5601	4.919	ug/l	98
10) Methyl Iodide	4.263	142	6309	4.463	ug/l	99
11) Tert butyl alcohol	5.184	59	1510	19.423	ug/l #	84
12) 1,1-Dichloroethene	4.032	96	5136	4.830	ug/l	94
13) Acrolein	3.891	56	1768	25.405	ug/l	97
14) Allyl chloride	4.660	41	8225	4.791	ug/l	97
15) Acrylonitrile	5.379	53	5830	20.652	ug/l	98
16) Acetone	4.135	43	6828	22.009	ug/l	92
17) Carbon Disulfide	4.379	76	15162	4.907	ug/l	99
18) Methyl Acetate	4.672	43	4264	4.452	ug/l	98
19) Methyl tert-butyl Ether	5.428	73	7964	4.366	ug/l	98
20) Methylene Chloride	4.916	84	12335	7.888	ug/l	99
21) trans-1,2-Dichloroethene	5.422	96	5932	4.995	ug/l	93
22) Diisopropyl ether	6.318	45	15543	4.627	ug/l #	93
23) Vinyl Acetate	6.263	43	40826	20.752	ug/l	100
24) 1,1-Dichloroethane	6.214	63	10666	4.967	ug/l	93
25) 2-Butanone	7.177	43	7546	19.492	ug/l #	87
26) 2,2-Dichloropropane	7.171	77	6995	4.977	ug/l	99
27) cis-1,2-Dichloroethene	7.165	96	6160	4.868	ug/l	99
28) Bromochloromethane	7.513	49	4617	5.201	ug/l #	95
29) Tetrahydrofuran	7.537	42	4583	19.350	ug/l	98
30) Chloroform	7.677	83	11175	4.989	ug/l	97
31) Cyclohexane	7.952	56	12228	5.676	ug/l #	79
32) 1,1,1-Trichloroethane	7.872	97	9227	4.871	ug/l	98
36) 1,1-Dichloropropene	8.080	75	8883	4.946	ug/l	99
37) Ethyl Acetate	7.257	43	3533	4.251	ug/l	95
38) Carbon Tetrachloride	8.067	117	8658	4.861	ug/l	95
39) Methylcyclohexane	9.336	83	10188	4.865	ug/l	98
40) Benzene	8.323	78	29076	5.915	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	1953	4.034	ug/l	98
42) 1,2-Dichloroethane	8.403	62	7930	5.011	ug/l	99
43) Isopropyl Acetate	8.427	43	6752	4.378	ug/l	96
44) Trichloroethene	9.092	130	6687	5.006	ug/l	98
45) 1,2-Dichloropropane	9.372	63	5811	4.932	ug/l	95
46) Dibromomethane	9.457	93	3158	4.771	ug/l	98
47) Bromodichloromethane	9.646	83	7783	4.770	ug/l	98
48) Methyl methacrylate	9.439	41	2723	3.669	ug/l	90
49) 1,4-Dioxane	9.457	88	676	76.839	ug/l #	94
51) 4-Methyl-2-Pentanone	10.207	43	16082	19.177	ug/l	100
52) Toluene	10.390	92	15607	5.054	ug/l	100
53) t-1,3-Dichloropropene	10.604	75	7638	4.600	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	8724	4.638	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	4279	4.640	ug/l	97
56) Ethyl methacrylate	10.646	69	4690	3.956	ug/l	98
57) 1,3-Dichloropropane	10.933	76	7557	4.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	12543	23.471	ug/l	100
59) 2-Hexanone	10.969	43	11139	18.774	ug/l	98
60) Dibromochloromethane	11.128	129	4909	4.515	ug/l	100
61) 1,2-Dibromoethane	11.238	107	4220	4.729	ug/l	96
64) Tetrachloroethene	10.860	164	5899	4.898	ug/l	98
65) Chlorobenzene	11.658	112	15989	4.788	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.731	131	5674	4.687	ug/l	98
67) Ethyl Benzene	11.731	91	28516	4.716	ug/l	99
68) m/p-Xylenes	11.841	106	21959	9.393	ug/l	99
69) o-Xylene	12.164	106	10058	4.668	ug/l	96
70) Styrene	12.183	104	16471	4.463	ug/l	98
71) Bromoform	12.353	173	3022	4.258	ug/l #	97
73) Isopropylbenzene	12.463	105	27589	4.693	ug/l	99
74) N-amyl acetate	12.274	43	5717	4.007	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	4860	4.413	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	3930m	4.347	ug/l	
77) Bromobenzene	12.743	156	6934	4.917	ug/l	98
78) n-propylbenzene	12.804	91	35647	4.937	ug/l	99
79) 2-Chlorotoluene	12.890	91	20679	4.979	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	24503	4.823	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.506	75	1473	4.185	ug/l	93
82) 4-Chlorotoluene	12.987	91	22039	5.045	ug/l	98
83) tert-Butylbenzene	13.207	119	20830	4.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	23953	4.762	ug/l	99
85) sec-Butylbenzene	13.384	105	31998	4.865	ug/l	100
86) p-Isopropyltoluene	13.493	119	26976	4.821	ug/l	100
87) 1,3-Dichlorobenzene	13.499	146	14950	5.152	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	15467	5.338	ug/l	96
89) n-Butylbenzene	13.823	91	25298	4.875	ug/l	97
90) Hexachloroethane	14.091	117	4727	4.840	ug/l	99
91) 1,2-Dichlorobenzene	13.865	146	12739	4.943	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.475	75	866	4.356	ug/l	94
93) 1,2,4-Trichlorobenzene	15.127	180	9224	5.395	ug/l	95
94) Hexachlorobutadiene	15.237	225	5736	5.181	ug/l	98
95) Naphthalene	15.365	128	13911	4.569	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	8274	5.345	ug/l	99

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

