Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102621\
Data File : VW020697.D
Acq On : 26 Oct 2021 13:28
Operator : SY/VA
Sample : M4068-01 2.5PPBLOD
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
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10/27/2021 5:02:18 PM

Quant Time: Oct 27 06:07:32 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	7.951	168	106122	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.841	114	164488	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.634	117	148983	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	78622	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.305	65	58620	49.717	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163			Recovery = 99.440%			
35) Dibromofluoromethane	7.884	113	51390	47.772	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147			Recovery = 95.540%			
50) Toluene-d8	10.323	98	193362	47.028	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140			Recovery = 94.060%			
62) 4-Bromofluorobenzene	12.621	95	72288	47.959	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144			Recovery = 95.920%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.007	85	405	1.448	ug/l		85
3) Chloromethane	2.215	50	2090	2.976	ug/l		98
4) Vinyl Chloride	2.355	62	2411	2.677	ug/l		97
5) Bromomethane	2.769	94	1705	3.185	ug/l		83
6) Chloroethane	2.910	64	951	2.376	ug/l	#	82
7) Trichlorofluoromethane	3.251	101	1739	2.699	ug/l		90
8) Diethyl Ether	3.690	74	1431	2.784	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.056	101	3113	2.944	ug/l		99
10) Methyl Iodide	4.263	142	3301	2.514	ug/l		98
11) Tert butyl alcohol	5.177	59	994	13.765	ug/l	#	84
12) 1,1-Dichloroethene	4.037	96	2704	2.738	ug/l		95
13) Acrolein	3.903	56	1167	18.054	ug/l		93
14) Allyl chloride	4.671	41	4430	2.778	ug/l		99
15) Acrylonitrile	5.372	53	3296	12.570	ug/l		97
16) Acetone	4.129	43	3956	13.729	ug/l		92
17) Carbon Disulfide	4.379	76	8015	2.792	ug/l		98
18) Methyl Acetate	4.677	43	2563	2.881	ug/l		93
19) Methyl tert-butyl Ether	5.427	73	4298	2.537	ug/l		98
20) Methylene Chloride	4.915	84	8863	6.102	ug/l		98
21) trans-1,2-Dichloroethene	5.415	96	3066	2.780	ug/l	#	79
22) Diisopropyl ether	6.317	45	7996	2.563	ug/l	#	92
23) Vinyl Acetate	6.263	43	21023	11.505	ug/l		97
24) 1,1-Dichloroethane	6.220	63	5809	2.912	ug/l		95
25) 2-Butanone	7.177	43	4214	11.719	ug/l		99
26) 2,2-Dichloropropane	7.165	77	3680	2.819	ug/l		97
27) cis-1,2-Dichloroethene	7.171	96	3304	2.811	ug/l		98
28) Bromochloromethane	7.512	49	2545	3.086	ug/l	#	99
29) Tetrahydrofuran	7.537	42	2464	11.200	ug/l		99
30) Chloroform	7.677	83	6262	3.010	ug/l		96
31) Cyclohexane	7.951	56	7582	3.789	ug/l	#	61
32) 1,1,1-Trichloroethane	7.872	97	5109	2.904	ug/l		99
36) 1,1-Dichloropropene	8.079	75	4737	2.674	ug/l		98
37) Ethyl Acetate	7.262	43	2017	2.461	ug/l	#	74
38) Carbon Tetrachloride	8.067	117	4727	2.691	ug/l		96
39) Methylcyclohexane	9.335	83	5100	2.469	ug/l		87
40) Benzene	8.323	78	15754	3.250	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.488	41	996	2.086	ug/l	#	70
42) 1,2-Dichloroethane	8.402	62	4136	2.650	ug/l		99
43) Isopropyl Acetate	8.433	43	3556	2.338	ug/l		94
44) Trichloroethene	9.091	130	3733	2.833	ug/l		95
45) 1,2-Dichloropropane	9.372	63	3089	2.658	ug/l		94
46) Dibromomethane	9.463	93	1668	2.555	ug/l		97
47) Bromodichloromethane	9.646	83	4156	2.583	ug/l		99
48) Methyl methacrylate	9.439	41	1597	2.182	ug/l		96
49) 1,4-Dioxane	9.457	88	399	45.985	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.213	43	8905	10.767	ug/l		98
52) Toluene	10.390	92	8683	2.851	ug/l		99
53) t-1,3-Dichloropropene	10.609	75	4168	2.545	ug/l		98
54) cis-1,3-Dichloropropene	10.073	75	4727	2.548	ug/l		93
55) 1,1,2-Trichloroethane	10.786	97	2384	2.621	ug/l		91
56) Ethyl methacrylate	10.646	69	2538	2.170	ug/l		94
57) 1,3-Dichloropropane	10.932	76	4244	2.693	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.920	63	6298	11.949	ug/l		100
59) 2-Hexanone	10.969	43	6131	10.477	ug/l		96
60) Dibromochloromethane	11.128	129	2726	2.542	ug/l		100
61) 1,2-Dibromoethane	11.237	107	2279	2.589	ug/l		98
64) Tetrachloroethene	10.865	164	3444	2.977	ug/l		89
65) Chlorobenzene	11.658	112	9423	2.938	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.731	131	2912	2.505	ug/l		93
67) Ethyl Benzene	11.731	91	15169	2.612	ug/l		99
68) m/p-Xylenes	11.841	106	11521	5.131	ug/l		98
69) o-Xylene	12.164	106	5010	2.421	ug/l		98
70) Styrene	12.182	104	8331	2.350	ug/l		99
71) Bromoform	12.353	173	1651	2.422	ug/l	#	98
73) Isopropylbenzene	12.463	105	14359	2.535	ug/l		99
74) N-amyl acetate	12.274	43	3012	2.191	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.713	83	2839	2.676	ug/l		98
76) 1,2,3-Trichloropropane	12.767	75	1971m	2.263	ug/l		
77) Bromobenzene	12.749	156	4029	2.966	ug/l		98
78) n-propylbenzene	12.804	91	19223	2.764	ug/l		97
79) 2-Chlorotoluene	12.889	91	11143	2.785	ug/l		100
80) 1,3,5-Trimethylbenzene	12.944	105	12835	2.622	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.511	75	760m	2.241	ug/l		
82) 4-Chlorotoluene	12.987	91	11546	2.743	ug/l		99
83) tert-Butylbenzene	13.206	119	10795	2.555	ug/l		98
84) 1,2,4-Trimethylbenzene	13.249	105	12281	2.534	ug/l		97
85) sec-Butylbenzene	13.383	105	16712	2.637	ug/l		100
86) p-Isopropyltoluene	13.499	119	13983	2.594	ug/l		98
87) 1,3-Dichlorobenzene	13.499	146	8250	2.951	ug/l		99
88) 1,4-Dichlorobenzene	13.578	146	8349	2.991	ug/l		88
89) n-Butylbenzene	13.822	91	13478	2.696	ug/l		97
90) Hexachloroethane	14.090	117	2741	2.913	ug/l		99
91) 1,2-Dichlorobenzene	13.871	146	7157	2.883	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	488	2.548	ug/l		88
93) 1,2,4-Trichlorobenzene	15.127	180	5145	3.124	ug/l		96
94) Hexachlorobutadiene	15.230	225	3211	3.011	ug/l		95
95) Naphthalene	15.365	128	7252	2.472	ug/l		100
96) 1,2,3-Trichlorobenzene	15.554	180	4699	3.151	ug/l		94

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

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