Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
Data File : VD070699.D
Acq On : 13 Oct 2021 15:52
Operator : VA/SY
Sample : M4068-01 4PPBLOD
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations APPROVED
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Quant Time: Oct 14 04:37:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 14 04:36:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.973	168	310869	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	568066	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.637	117	537286	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248877	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	182838	49.976	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.960%				
35) Dibromofluoromethane	7.914	113	189053	50.056	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%				
50) Toluene-d8	10.332	98	706781	48.952	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.900%				
62) 4-Bromofluorobenzene	12.626	95	231971	48.071	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	15574	4.108	ug/l		88
3) Chloromethane	2.209	50	18912	4.017	ug/l		93
4) Vinyl Chloride	2.344	62	19748	3.785	ug/l	#	83
5) Bromomethane	2.767	94	14647	4.118	ug/l		93
6) Chloroethane	2.920	64	11966	3.592	ug/l		99
7) Trichlorofluoromethane	3.273	101	28221	4.174	ug/l		86
8) Diethyl Ether	3.708	74	6798	3.865	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.091	101	16587	4.048	ug/l		95
10) Methyl Iodide	4.303	142	10812	2.842	ug/l		96
11) Tert butyl alcohol	5.226	59	3491	19.262	ug/l	#	83
12) 1,1-Dichloroethene	4.067	96	14718	4.035	ug/l		96
13) Acrolein	3.926	56	2588	14.873	ug/l	#	42
14) Allyl chloride	4.708	41	17113	3.370	ug/l		98
15) Acrylonitrile	5.432	53	14501	19.001	ug/l		97
16) Acetone	4.161	43	11244	18.099	ug/l		91
17) Carbon Disulfide	4.403	76	47951	3.600	ug/l	#	86
18) Methyl Acetate	4.726	43	10039	4.187	ug/l		99
19) Methyl tert-butyl Ether	5.479	73	25103	3.454	ug/l		98
20) Methylene Chloride	4.955	84	31170	5.376	ug/l	#	82
21) trans-1,2-Dichloroethene	5.473	96	16561	3.860	ug/l	#	67
22) Diisopropyl ether	6.367	45	31931	3.061	ug/l	#	98
23) Vinyl Acetate	6.302	43	65912	13.897	ug/l	#	91
24) 1,1-Dichloroethane	6.261	63	28891	3.760	ug/l	#	92
25) 2-Butanone	7.214	43	14122	17.361	ug/l		99
26) 2,2-Dichloropropane	7.202	77	23046	3.624	ug/l		98
27) cis-1,2-Dichloroethene	7.202	96	16997	3.770	ug/l		92
28) Bromochloromethane	7.549	49	10278	3.842	ug/l		98
29) Tetrahydrofuran	7.567	42	8733	16.657	ug/l		96
30) Chloroform	7.708	83	30662	3.836	ug/l		90
31) Cyclohexane	7.979	56	27246	4.022	ug/l	#	73
32) 1,1,1-Trichloroethane	7.896	97	27777	4.035	ug/l		96
36) 1,1-Dichloropropene	8.108	75	21154	3.506	ug/l		98
37) Ethyl Acetate	7.291	43	7663	3.823	ug/l	#	90
38) Carbon Tetrachloride	8.096	117	23775	3.766	ug/l		94
39) Methylcyclohexane	9.355	83	23790	3.429	ug/l		97
40) Benzene	8.344	78	66826	3.758	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	4259	4.120	ug/l	#	79
42) 1,2-Dichloroethane	8.414	62	17378	3.779	ug/l		96
43) Isopropyl Acetate	8.449	43	12917	3.517	ug/l	#	54
44) Trichloroethene	9.108	130	17444	3.978	ug/l		92
45) 1,2-Dichloropropane	9.385	63	15875	3.498	ug/l	#	86
46) Dibromomethane	9.467	93	8511	3.654	ug/l		92
47) Bromodichloromethane	9.655	83	22066	3.671	ug/l	#	96
48) Methyl methacrylate	9.449	41	4841	2.812	ug/l	#	81
49) 1,4-Dioxane	9.455	88	1694	71.574	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.220	43	29973	15.818	ug/l		99
52) Toluene	10.396	92	41754	3.822	ug/l		97
53) t-1,3-Dichloropropene	10.614	75	18791	3.572	ug/l		97
54) cis-1,3-Dichloropropene	10.085	75	21765	3.436	ug/l	#	91
55) 1,1,2-Trichloroethane	10.790	97	12249	3.860	ug/l		95
56) Ethyl methacrylate	10.655	69	11568	3.413	ug/l		94
57) 1,3-Dichloropropane	10.937	76	19270	3.570	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	27154	17.762	ug/l		98
59) 2-Hexanone	10.979	43	21092	16.446	ug/l		95
60) Dibromochloromethane	11.132	129	14248	3.727	ug/l		98
61) 1,2-Dibromoethane	11.232	107	10834	3.667	ug/l		91
64) Tetrachloroethene	10.873	164	13627	3.955	ug/l		94
65) Chlorobenzene	11.661	112	42182	3.682	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.737	131	16667	3.911	ug/l		98
67) Ethyl Benzene	11.737	91	66487	3.363	ug/l		99
68) m/p-Xylenes	11.843	106	51715	6.642	ug/l		95
69) o-Xylene	12.173	106	22611	3.265	ug/l		99
70) Styrene	12.184	104	38866	3.185	ug/l		99
71) Bromoform	12.349	173	7997	3.997	ug/l	#	96
73) Isopropylbenzene	12.467	105	59096	3.257	ug/l		98
74) N-amyl acetate	12.279	43	10762	3.147	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.720	83	13431	3.786	ug/l		95
76) 1,2,3-Trichloropropane	12.773	75	10459m	4.643	ug/l		
77) Bromobenzene	12.749	156	16067	3.961	ug/l		95
78) n-propylbenzene	12.814	91	78149	3.403	ug/l		98
79) 2-Chlorotoluene	12.896	91	46057	3.419	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	50469	3.261	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.526	75	3330	3.282	ug/l		89
82) 4-Chlorotoluene	12.990	91	46700	3.316	ug/l		92
83) tert-Butylbenzene	13.214	119	43811	3.426	ug/l		95
84) 1,2,4-Trimethylbenzene	13.261	105	48528	3.152	ug/l		100
85) sec-Butylbenzene	13.390	105	63790	3.218	ug/l		98
86) p-Isopropyltoluene	13.502	119	51140	3.158	ug/l		99
87) 1,3-Dichlorobenzene	13.508	146	31244	3.668	ug/l		98
88) 1,4-Dichlorobenzene	13.584	146	33316	3.945	ug/l		89
89) n-Butylbenzene	13.831	91	50303	3.254	ug/l		99
90) Hexachloroethane	14.096	117	13044	3.726	ug/l		99
91) 1,2-Dichlorobenzene	13.879	146	27090	3.730	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2217	4.329	ug/l		85
93) 1,2,4-Trichlorobenzene	15.143	180	15055	3.850	ug/l		98
94) Hexachlorobutadiene	15.249	225	9640	3.901	ug/l		98
95) Naphthalene	15.384	128	24070	3.409	ug/l		100
96) 1,2,3-Trichlorobenzene	15.578	180	13143	3.816	ug/l		97

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

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

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