Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
Data File : VW019990.D
Acq On : 07 Sep 2021 18:30
Operator : SY/VA
Sample : M2940-01 4PPBLOD
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations APPROVED
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9/8/2021 7:12:03 PM

Quant Time: Sep 08 12:36:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 08 12:35:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.952	168	194686	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.848	114	324686	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.634	117	298259	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	148130	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.311	65	108122	47.840	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.680%				
35) Dibromofluoromethane	7.891	113	99839	46.824	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.640%				
50) Toluene-d8	10.323	98	374263	47.219	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.440%				
62) 4-Bromofluorobenzene	12.621	95	128798	43.918	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.840%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.007	85	4040m	3.417	ug/l		
3) Chloromethane	2.215	50	7716	4.384	ug/l		91
4) Vinyl Chloride	2.367	62	11239	3.938	ug/l		93
5) Bromomethane	2.782	94	9316	4.027	ug/l		96
6) Chloroethane	2.934	64	7317	3.722	ug/l		98
7) Trichlorofluoromethane	3.263	101	5769	3.533	ug/l		97
8) Diethyl Ether	3.696	74	4014	4.015	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.068	101	8224	3.858	ug/l		99
10) Methyl Iodide	4.281	142	10941	3.747	ug/l	#	93
11) Tert butyl alcohol	5.165	59	2509m	23.193	ug/l		
12) 1,1-Dichloroethene	4.050	96	7701	3.834	ug/l		85
13) Acrolein	3.910	56	1544	18.731	ug/l		89
14) Allyl chloride	4.672	41	10301	3.770	ug/l		99
15) Acrylonitrile	5.373	53	8176	19.625	ug/l		98
16) Acetone	4.129	43	8456	23.294	ug/l		95
17) Carbon Disulfide	4.391	76	22556	3.690	ug/l	#	92
18) Methyl Acetate	4.684	43	4425	4.294	ug/l		99
19) Methyl tert-butyl Ether	5.428	73	9931	3.747	ug/l	#	91
20) Methylene Chloride	4.922	84	23404	8.574	ug/l		97
21) trans-1,2-Dichloroethene	5.428	96	8798	3.856	ug/l		90
22) Diisopropyl ether	6.318	45	20120	3.475	ug/l		95
23) Vinyl Acetate	6.263	43	51809	16.404	ug/l		97
24) 1,1-Dichloroethane	6.226	63	15831	3.862	ug/l		96
25) 2-Butanone	7.177	43	10019	19.251	ug/l		91
26) 2,2-Dichloropropane	7.171	77	9688	3.908	ug/l		96
27) cis-1,2-Dichloroethene	7.171	96	9235	3.790	ug/l		97
28) Bromochloromethane	7.519	49	6513	4.003	ug/l		99
29) Tetrahydrofuran	7.531	42	5976	18.457	ug/l		97
30) Chloroform	7.677	83	17273	3.999	ug/l		97
31) Cyclohexane	7.958	56	17276	4.689	ug/l	#	82
32) 1,1,1-Trichloroethane	7.878	97	13681	3.914	ug/l		97
36) 1,1-Dichloropropene	8.086	75	12782	3.742	ug/l		100
37) Ethyl Acetate	7.269	43	5494	4.375	ug/l		95
38) Carbon Tetrachloride	8.073	117	12855	3.691	ug/l		95
39) Methylcyclohexane	9.342	83	13601	3.436	ug/l		97
40) Benzene	8.330	78	35482	3.771	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.494	41	2439	3.509	ug/l		95
42) 1,2-Dichloroethane	8.403	62	11272	3.902	ug/l		98
43) Isopropyl Acetate	8.421	43	8669	3.637	ug/l		99
44) Trichloroethene	9.098	130	9740	3.945	ug/l		93
45) 1,2-Dichloropropane	9.372	63	8669	3.789	ug/l		100
46) Dibromomethane	9.463	93	4862	3.767	ug/l		98
47) Bromodichloromethane	9.646	83	11826	3.678	ug/l		97
48) Methyl methacrylate	9.439	41	2983	2.861	ug/l	#	82
49) 1,4-Dioxane	9.457	88	1142	69.280	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.213	43	21474	17.377	ug/l		98
52) Toluene	10.390	92	23188	3.893	ug/l		98
53) t-1,3-Dichloropropene	10.610	75	10714	3.473	ug/l		92
54) cis-1,3-Dichloropropene	10.073	75	12365	3.443	ug/l		94
55) 1,1,2-Trichloroethane	10.786	97	6592	3.769	ug/l		90
56) Ethyl methacrylate	10.646	69	6416	3.280	ug/l		95
57) 1,3-Dichloropropane	10.933	76	11079	3.692	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.927	63	13884	15.545	ug/l		99
59) 2-Hexanone	10.969	43	13781	16.687	ug/l		96
60) Dibromochloromethane	11.128	129	7275	3.593	ug/l		97
61) 1,2-Dibromoethane	11.238	107	6096	3.722	ug/l		99
64) Tetrachloroethene	10.866	164	7774	3.756	ug/l		94
65) Chlorobenzene	11.658	112	24084	3.757	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.731	131	8224	3.600	ug/l		98
67) Ethyl Benzene	11.731	91	39942	3.532	ug/l		99
68) m/p-Xylenes	11.841	106	30468	6.826	ug/l		98
69) o-Xylene	12.164	106	13488	3.298	ug/l		99
70) Styrene	12.182	104	21804	3.146	ug/l		98
71) Bromoform	12.353	173	3809	3.386	ug/l	#	99
73) Isopropylbenzene	12.463	105	35688	3.405	ug/l		98
74) N-amyl acetate	12.274	43	6882	3.199	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.719	83	7605	3.951	ug/l		97
76) 1,2,3-Trichloropropane	12.768	75	6228m	4.526	ug/l		
77) Bromobenzene	12.743	156	9756	4.013	ug/l		97
78) n-propylbenzene	12.804	91	47738	3.617	ug/l		96
79) 2-Chlorotoluene	12.890	91	28264	3.679	ug/l		99
80) 1,3,5-Trimethylbenzene	12.945	105	31737	3.435	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.512	75	1840m	3.237	ug/l		
82) 4-Chlorotoluene	12.987	91	30265	3.747	ug/l		99
83) tert-Butylbenzene	13.207	119	25436	3.287	ug/l		99
84) 1,2,4-Trimethylbenzene	13.249	105	30918	3.417	ug/l		100
85) sec-Butylbenzene	13.384	105	40973	3.487	ug/l		98
86) p-Isopropyltoluene	13.499	119	32337	3.269	ug/l		98
87) 1,3-Dichlorobenzene	13.499	146	18910	3.668	ug/l		96
88) 1,4-Dichlorobenzene	13.579	146	20161	3.941	ug/l		92
89) n-Butylbenzene	13.822	91	32606	3.440	ug/l		97
90) Hexachloroethane	14.091	117	6870	3.634	ug/l		99
91) 1,2-Dichlorobenzene	13.871	146	17692	3.951	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1251	3.961	ug/l		98
93) 1,2,4-Trichlorobenzene	15.127	180	9696	3.552	ug/l		96
94) Hexachlorobutadiene	15.237	225	6418	3.958	ug/l		96
95) Naphthalene	15.365	128	16125	3.414	ug/l		99
96) 1,2,3-Trichlorobenzene	15.554	180	8953	3.741	ug/l		99

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

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