Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
Data File : VW019991.D
Acq On : 07 Sep 2021 18:54
Operator : SY/VA
Sample : M2940-02 5PPBLOQ
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations APPROVED
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9/8/2021 7:12:05 PM

Quant Time: Sep 08 12:37:11 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	7.951	168	182121	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.848	114	306154	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.634	117	278470	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	144052	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.311	65	110800	52.407	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.820%				
35) Dibromofluoromethane	7.890	113	99380	49.430	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.860%				
50) Toluene-d8	10.329	98	372449	49.835	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.660%				
62) 4-Bromofluorobenzene	12.621	95	132164	47.793	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.580%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.020	85	5581	5.046	ug/l		94
3) Chloromethane	2.215	50	9008	5.472	ug/l		90
4) Vinyl Chloride	2.367	62	13676	5.123	ug/l		97
5) Bromomethane	2.782	94	11391	5.263	ug/l		94
6) Chloroethane	2.934	64	9135	4.968	ug/l		96
7) Trichlorofluoromethane	3.263	101	7079	4.635	ug/l		98
8) Diethyl Ether	3.690	74	4920	5.261	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.080	101	9957	4.993	ug/l		98
10) Methyl Iodide	4.281	142	13797	5.052	ug/l		98
11) Tert butyl alcohol	5.171	59	3154	31.167	ug/l	#	91
12) 1,1-Dichloroethene	4.050	96	9189	4.890	ug/l		89
13) Acrolein	3.903	56	2434	31.565	ug/l		97
14) Allyl chloride	4.678	41	12254	4.795	ug/l		100
15) Acrylonitrile	5.379	53	10474	26.875	ug/l		99
16) Acetone	4.135	43	9841	28.980	ug/l		92
17) Carbon Disulfide	4.397	76	27798	4.861	ug/l		99
18) Methyl Acetate	4.678	43	5648	5.859	ug/l		97
19) Methyl tert-butyl Ether	5.427	73	12579	5.074	ug/l		99
20) Methylene Chloride	4.921	84	23536	9.217	ug/l		93
21) trans-1,2-Dichloroethene	5.434	96	10746	5.035	ug/l		84
22) Diisopropyl ether	6.311	45	24644	4.551	ug/l	#	91
23) Vinyl Acetate	6.263	43	65217	22.074	ug/l		99
24) 1,1-Dichloroethane	6.220	63	19505	5.086	ug/l		98
25) 2-Butanone	7.177	43	12702	26.090	ug/l		93
26) 2,2-Dichloropropane	7.171	77	11123	4.797	ug/l		99
27) cis-1,2-Dichloroethene	7.171	96	11203	4.915	ug/l		99
28) Bromochloromethane	7.512	49	8168	5.366	ug/l		100
29) Tetrahydrofuran	7.537	42	8247	27.228	ug/l		94
30) Chloroform	7.683	83	20919	5.177	ug/l		94
31) Cyclohexane	7.957	56	19525	5.665	ug/l	#	77
32) 1,1,1-Trichloroethane	7.872	97	15966	4.883	ug/l		96
36) 1,1-Dichloropropene	8.085	75	15149	4.704	ug/l		99
37) Ethyl Acetate	7.262	43	5960	5.033	ug/l		98
38) Carbon Tetrachloride	8.079	117	15245	4.642	ug/l		90
39) Methylcyclohexane	9.341	83	16303	4.368	ug/l		96
40) Benzene	8.329	78	43445	4.897	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.488	41	2845	4.341	ug/l		91
42) 1,2-Dichloroethane	8.403	62	13750	5.048	ug/l		100
43) Isopropyl Acetate	8.427	43	11057	4.920	ug/l		98
44) Trichloroethene	9.098	130	11225	4.822	ug/l		97
45) 1,2-Dichloropropane	9.372	63	10204	4.730	ug/l		95
46) Dibromomethane	9.463	93	6055	4.976	ug/l		97
47) Bromodichloromethane	9.652	83	14234	4.695	ug/l		95
48) Methyl methacrylate	9.439	41	4383	4.458	ug/l		92
49) 1,4-Dioxane	9.457	88	1536	98.822	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.213	43	28090	24.106	ug/l		99
52) Toluene	10.390	92	27301	4.861	ug/l		98
53) t-1,3-Dichloropropene	10.609	75	13000	4.470	ug/l		98
54) cis-1,3-Dichloropropene	10.073	75	15065	4.449	ug/l		92
55) 1,1,2-Trichloroethane	10.786	97	8689	5.269	ug/l		96
56) Ethyl methacrylate	10.652	69	8331	4.516	ug/l		97
57) 1,3-Dichloropropane	10.933	76	13545	4.787	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.927	63	20165	23.945	ug/l		98
59) 2-Hexanone	10.969	43	18529	23.794	ug/l		97
60) Dibromochloromethane	11.128	129	8689	4.551	ug/l		100
61) 1,2-Dibromoethane	11.237	107	7643	4.949	ug/l		100
64) Tetrachloroethene	10.865	164	9014	4.665	ug/l		97
65) Chlorobenzene	11.658	112	28418	4.748	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.731	131	9798	4.593	ug/l		97
67) Ethyl Benzene	11.731	91	48300	4.574	ug/l		98
68) m/p-Xylenes	11.841	106	36940	8.864	ug/l		96
69) o-Xylene	12.170	106	16278	4.263	ug/l		99
70) Styrene	12.182	104	26191	4.048	ug/l		97
71) Bromoform	12.353	173	4729	4.503	ug/l	#	99
73) Isopropylbenzene	12.463	105	43120	4.231	ug/l		100
74) N-amyl acetate	12.274	43	9101	4.351	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.719	83	9508	5.080	ug/l		97
76) 1,2,3-Trichloropropane	12.768	75	8042m	6.010	ug/l		
77) Bromobenzene	12.743	156	11486	4.858	ug/l		99
78) n-propylbenzene	12.804	91	56862	4.430	ug/l		97
79) 2-Chlorotoluene	12.890	91	33353	4.465	ug/l		100
80) 1,3,5-Trimethylbenzene	12.944	105	38072	4.238	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.512	75	2317	4.192	ug/l		93
82) 4-Chlorotoluene	12.987	91	36248	4.615	ug/l		99
83) tert-Butylbenzene	13.207	119	30934	4.110	ug/l		99
84) 1,2,4-Trimethylbenzene	13.249	105	37338	4.244	ug/l		96
85) sec-Butylbenzene	13.383	105	50095	4.384	ug/l		100
86) p-Isopropyltoluene	13.499	119	39660	4.122	ug/l		98
87) 1,3-Dichlorobenzene	13.499	146	23978	4.783	ug/l		99
88) 1,4-Dichlorobenzene	13.578	146	24770	4.978	ug/l		96
89) n-Butylbenzene	13.822	91	38173	4.142	ug/l		99
90) Hexachloroethane	14.091	117	8143	4.429	ug/l		99
91) 1,2-Dichlorobenzene	13.871	146	21246	4.879	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1730	5.633	ug/l		88
93) 1,2,4-Trichlorobenzene	15.133	180	12134	4.570	ug/l		95
94) Hexachlorobutadiene	15.231	225	7857	4.983	ug/l		95
95) Naphthalene	15.365	128	20902	4.551	ug/l		98
96) 1,2,3-Trichlorobenzene	15.554	180	11584	4.978	ug/l		96

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

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