Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101921\
Data File : VY006420.D
Acq On : 19 Oct 2021 12:00
Operator : SY/MD
Sample : M4068-03 2.5PPBMDL
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 04:25:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 20 04:25:08 2021
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT4-2021

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.795	168	128261	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.697	114	200141	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.496	117	182864	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91647	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.149	65	67213	48.96	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.92%				
35) Dibromofluoromethane	7.722	113	50645	47.36	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.72%				
50) Toluene-d8	10.185	98	204159	45.62	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.24%				
62) 4-Bromofluorobenzene	12.483	95	67813	44.61	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	3297	2.53	ug/l		96
3) Chloromethane	2.119	50	4137	2.73	ug/l		96
4) Vinyl Chloride	2.253	62	4844	2.88	ug/l		97
5) Bromomethane	2.662	94	3457	3.17	ug/l		95
6) Chloroethane	2.796	64	2822	2.86	ug/l		93
7) Trichlorofluoromethane	3.143	101	5795	2.62	ug/l		88
8) Diethyl Ether	3.540	74	1710	2.34	ug/l		93
9) 1,1,2-Trichlorotrifluo...	3.905	101	2911	2.47	ug/l		95
10) Methyl Iodide	4.101	142	2872	2.23	ug/l	#	94
11) Tert butyl alcohol	4.954	59	1971	16.41	ug/l	#	77
12) 1,1-Dichloroethene	3.881	96	2994	2.49	ug/l	#	79
13) Acrolein	3.741	56	722	9.44	ug/l		94
14) Allyl chloride	4.491	41	5417	2.34	ug/l		94
15) Acrylonitrile	5.174	53	4495	11.70	ug/l		97
16) Acetone	3.960	43	4624	12.06	ug/l		97
17) Carbon Disulfide	4.204	76	9835	2.45	ug/l	#	95
18) Methyl Acetate	4.491	43	3671	2.84	ug/l		100
19) Methyl tert-butyl Ether	5.228	73	7804	2.22	ug/l		98
20) Methylene Chloride	4.728	84	11648	7.81	ug/l	#	91
21) trans-1,2-Dichloroethene	5.222	96	3242	2.43	ug/l		98
22) Diisopropyl ether	6.137	45	10159	2.22	ug/l		92
23) Vinyl Acetate	6.070	43	28349	10.35	ug/l		97
24) 1,1-Dichloroethane	6.021	63	6291	2.56	ug/l		94
25) 2-Butanone	6.996	43	5610	10.50	ug/l		94
26) 2,2-Dichloropropane	6.984	77	5693	2.54	ug/l		100
27) cis-1,2-Dichloroethene	6.996	96	3728	2.50	ug/l		93
28) Bromochloromethane	7.344	49	2429	2.38	ug/l	#	92
29) Tetrahydrofuran	7.350	42	3824	11.34	ug/l		95
30) Chloroform	7.508	83	6615	2.70	ug/l		87
31) Cyclohexane	7.789	56	8000	3.08	ug/l	#	65
32) 1,1,1-Trichloroethane	7.710	97	5609	2.48	ug/l		98
36) 1,1-Dichloropropene	7.923	75	4792	2.41	ug/l		97
37) Ethyl Acetate	7.088	43	2492	2.15	ug/l	#	92
38) Carbon Tetrachloride	7.911	117	5509	2.62	ug/l		91
39) Methylcyclohexane	9.191	83	5740	2.29	ug/l		91
40) Benzene	8.167	78	14124	2.50	ug/l		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	1621	2.15	ug/l	#	27
42) 1,2-Dichloroethane	8.246	62	4695	2.58	ug/l		99
43) Isopropyl Acetate	8.277	43	4823	2.17	ug/l		95
44) Trichloroethene	8.941	130	3717	2.55	ug/l		86
45) 1,2-Dichloropropane	9.215	63	3409	2.45	ug/l		97
46) Dibromomethane	9.307	93	1774	2.40	ug/l		96
47) Bromodichloromethane	9.496	83	4801	2.52	ug/l	#	93
48) Methyl methacrylate	9.301	41	2362	2.21	ug/l		92
49) 1,4-Dioxane	9.307	88	476	49.26	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.075	43	11705	10.13	ug/l		97
52) Toluene	10.246	92	8645	2.47	ug/l		98
53) t-1,3-Dichloropropene	10.465	75	4768	2.29	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	5242	2.29	ug/l		95
55) 1,1,2-Trichloroethane	10.648	97	2396	2.30	ug/l		90
56) Ethyl methacrylate	10.514	69	3470	2.19	ug/l		92
57) 1,3-Dichloropropane	10.788	76	4145	2.20	ug/l		94
58) 2-Chloroethyl Vinyl ether	9.789	63	9028	11.63	ug/l		97
59) 2-Hexanone	10.831	43	8271	10.05	ug/l		97
60) Dibromochloromethane	10.983	129	3096	2.45	ug/l		100
61) 1,2-Dibromoethane	11.093	107	2226	2.26	ug/l		100
64) Tetrachloroethene	10.727	164	4051	2.75	ug/l		86
65) Chlorobenzene	11.520	112	8942	2.47	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.593	131	3266	2.45	ug/l		98
67) Ethyl Benzene	11.593	91	15920	2.33	ug/l		96
68) m/p-Xylenes	11.703	106	12144	4.69	ug/l		98
69) o-Xylene	12.032	106	5661	2.31	ug/l		95
70) Styrene	12.044	104	9139	2.20	ug/l		97
71) Bromoform	12.209	173	1932	2.33	ug/l	#	99
73) Isopropylbenzene	12.331	105	14687	2.24	ug/l		99
74) N-amyl acetate	12.148	43	3941	1.93	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	2431	2.05	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	1883m	2.11	ug/l		
77) Bromobenzene	12.611	156	3891	2.53	ug/l		92
78) n-propylbenzene	12.672	91	19087	2.36	ug/l		99
79) 2-Chlorotoluene	12.758	91	10570	2.36	ug/l		99
80) 1,3,5-Trimethylbenzene	12.812	105	12557	2.29	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.380	75	954m	2.10	ug/l		
82) 4-Chlorotoluene	12.855	91	10702	2.31	ug/l		96
83) tert-Butylbenzene	13.075	119	11225	2.39	ug/l		93
84) 1,2,4-Trimethylbenzene	13.123	105	12156	2.24	ug/l		95
85) sec-Butylbenzene	13.251	105	15962	2.25	ug/l		96
86) p-Isopropyltoluene	13.373	119	13474	2.25	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	7599	2.49	ug/l		97
88) 1,4-Dichlorobenzene	13.446	146	7687	2.56	ug/l		88
89) n-Butylbenzene	13.696	91	13076	2.30	ug/l		99
90) Hexachloroethane	13.959	117	2445	2.25	ug/l		89
91) 1,2-Dichlorobenzene	13.739	146	6589	2.47	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	555	2.46	ug/l		93
93) 1,2,4-Trichlorobenzene	15.007	180	4406	2.50	ug/l		97
94) Hexachlorobutadiene	15.111	225	3039	2.64	ug/l		95
95) Naphthalene	15.239	128	7590	2.17	ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	3807	2.44	ug/l		97

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

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