Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101221\
Data File : VY006375.D
Acq On : 12 Oct 2021 12:41
Operator : SY/MD
Sample : M4068-01 4PPBLOD
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations APPROVED
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10/15/2021 6:22:35 PM

Quant Time: Oct 13 08:04:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 08:03:02 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.844	168	111088	50.000	ug/l		0.05
34) 1,4-Difluorobenzene	8.722	114	170372	50.000	ug/l		0.02
63) Chlorobenzene-d5	11.502	117	157371	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85282	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.185	65	61157	51.437	ug/l		0.04
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.880%				
35) Dibromofluoromethane	7.764	113	45718	50.227	ug/l		0.04
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%				
50) Toluene-d8	10.197	98	181256	47.580	ug/l		0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.160%				
62) 4-Bromofluorobenzene	12.483	95	60966	47.110	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.220%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.022	85	4109m	3.647	ug/l		
3) Chloromethane	2.296	50	5909m	4.502	ug/l		
4) Vinyl Chloride	2.375	62	6886m	4.734	ug/l		
5) Bromomethane	2.784	94	4800m	5.078	ug/l		
6) Chloroethane	2.912	64	3556m	4.155	ug/l		
7) Trichlorofluoromethane	3.253	101	7904	4.125	ug/l		96
8) Diethyl Ether	3.643	74	2597	4.104	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.015	101	4269	4.174	ug/l		94
10) Methyl Iodide	4.216	142	2711m	2.432	ug/l		
11) Tert butyl alcohol	5.094	59	2158	20.749	ug/l	#	81
12) 1,1-Dichloroethene	3.997	96	4326	4.158	ug/l		80
13) Acrolein	3.844	56	1354	20.444	ug/l		99
14) Allyl chloride	4.600	41	8140	4.068	ug/l		96
15) Acrylonitrile	5.277	53	6867	20.631	ug/l		98
16) Acetone	4.082	43	5602	16.869	ug/l		90
17) Carbon Disulfide	4.320	76	13796	3.965	ug/l		98
18) Methyl Acetate	4.594	43	5111	4.564	ug/l		98
19) Methyl tert-butyl Ether	5.326	73	11976	3.942	ug/l		99
20) Methylene Chloride	4.844	84	7802	6.037	ug/l		97
21) trans-1,2-Dichloroethene	5.332	96	4680	4.057	ug/l		97
22) Diisopropyl ether	6.204	45	14808	3.741	ug/l		95
23) Vinyl Acetate	6.143	43	42989	18.119	ug/l	#	93
24) 1,1-Dichloroethane	6.112	63	8721	4.104	ug/l	#	97
25) 2-Butanone	7.051	43	8797	19.017	ug/l		96
26) 2,2-Dichloropropane	7.051	77	8373	4.309	ug/l		100
27) cis-1,2-Dichloroethene	7.057	96	5572	4.313	ug/l		90
28) Bromochloromethane	7.393	49	3834	4.333	ug/l	#	96
29) Tetrahydrofuran	7.405	42	5589	19.128	ug/l		94
30) Chloroform	7.563	83	9062	4.275	ug/l		89
31) Cyclohexane	7.838	56	10365	4.601	ug/l	#	88
32) 1,1,1-Trichloroethane	7.752	97	8499	4.342	ug/l		99
36) 1,1-Dichloropropene	7.966	75	6923	4.084	ug/l		99
37) Ethyl Acetate	7.130	43	4036	4.087	ug/l		96
38) Carbon Tetrachloride	7.941	117	7890	4.408	ug/l	#	96
39) Methylcyclohexane	9.209	83	8134	3.820	ug/l		95
40) Benzene	8.203	78	20219	4.204	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.362	41	2578m	4.025	ug/l		
42) 1,2-Dichloroethane	8.277	62	7018	4.529	ug/l		98
43) Isopropyl Acetate	8.307	43	7366	3.889	ug/l		94
44) Trichloroethene	8.965	130	5286	4.256	ug/l		94
45) 1,2-Dichloropropane	9.240	63	4906	4.144	ug/l		89
46) Dibromomethane	9.331	93	2712	4.302	ug/l		96
47) Bromodichloromethane	9.514	83	7061	4.350	ug/l	#	95
48) Methyl methacrylate	9.313	41	3442	3.788	ug/l		97
49) 1,4-Dioxane	9.325	88	741	90.090	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.087	43	18674	18.989	ug/l		99
52) Toluene	10.264	92	12285	4.118	ug/l		99
53) t-1,3-Dichloropropene	10.477	75	7353	4.155	ug/l		97
54) cis-1,3-Dichloropropene	9.947	75	7905	4.063	ug/l		95
55) 1,1,2-Trichloroethane	10.654	97	3512	3.959	ug/l		98
56) Ethyl methacrylate	10.526	69	4819	3.574	ug/l		95
57) 1,3-Dichloropropane	10.801	76	6426	4.003	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.801	63	14141	21.405	ug/l		96
59) 2-Hexanone	10.843	43	12973	18.522	ug/l		99
60) Dibromochloromethane	10.996	129	4634	4.300	ug/l		99
61) 1,2-Dibromoethane	11.099	107	3418	4.070	ug/l		99
64) Tetrachloroethene	10.727	164	5293	4.176	ug/l		91
65) Chlorobenzene	11.526	112	12300	3.945	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.599	131	4690	4.082	ug/l		96
67) Ethyl Benzene	11.599	91	21906	3.727	ug/l		100
68) m/p-Xylenes	11.709	106	17158	7.693	ug/l		96
69) o-Xylene	12.038	106	8037	3.815	ug/l		95
70) Styrene	12.050	104	13321	3.724	ug/l		98
71) Bromoform	12.209	173	2996	4.193	ug/l	#	96
73) Isopropylbenzene	12.337	105	20786	3.403	ug/l		98
74) N-amyl acetate	12.148	43	5784	3.051	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.581	83	4320	3.916	ug/l		97
76) 1,2,3-Trichloropropane	12.636	75	3212m	3.875	ug/l		
77) Bromobenzene	12.611	156	5495	3.837	ug/l		94
78) n-propylbenzene	12.672	91	27145	3.610	ug/l		99
79) 2-Chlorotoluene	12.757	91	15415	3.705	ug/l		99
80) 1,3,5-Trimethylbenzene	12.818	105	18398	3.602	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.386	75	1386	3.286	ug/l		90
82) 4-Chlorotoluene	12.855	91	15774	3.665	ug/l		100
83) tert-Butylbenzene	13.081	119	16499	3.778	ug/l		92
84) 1,2,4-Trimethylbenzene	13.123	105	17674	3.504	ug/l		97
85) sec-Butylbenzene	13.257	105	23230	3.520	ug/l		98
86) p-Isopropyltoluene	13.373	119	20207	3.628	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	10813	3.810	ug/l		96
88) 1,4-Dichlorobenzene	13.446	146	11475	4.101	ug/l		93
89) n-Butylbenzene	13.696	91	19230	3.634	ug/l		99
90) Hexachloroethane	13.965	117	4204	4.157	ug/l		98
91) 1,2-Dichlorobenzene	13.739	146	10138	4.086	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	936	4.453	ug/l		94
93) 1,2,4-Trichlorobenzene	15.007	180	7093	4.326	ug/l		97
94) Hexachlorobutadiene	15.111	225	4699	4.393	ug/l		98
95) Naphthalene	15.239	128	12927	3.968	ug/l		100
96) 1,2,3-Trichlorobenzene	15.422	180	6483	4.461	ug/l		98

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

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