Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101321\
Data File : VY006383.D
Acq On : 13 Oct 2021 13:22
Operator : SY/MD
Sample : M4068-01 2.5PPBLOD
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
MMDadoda
10/18/2021 5:21:34 PM

Quant Time: Oct 14 07:32:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 14 07:32:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.795	168	136381	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.697	114	208407	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.490	117	193437	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98785	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.149	65	77662	53.205	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.400%				
35) Dibromofluoromethane	7.722	113	56400	50.654	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.300%				
50) Toluene-d8	10.185	98	232318	49.854	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.700%				
62) 4-Bromofluorobenzene	12.483	95	78716	49.725	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	3890	2.812	ug/l		94
3) Chloromethane	2.113	50	4667	2.896	ug/l		98
4) Vinyl Chloride	2.260	62	5190	2.906	ug/l		92
5) Bromomethane	2.662	94	4100	3.533	ug/l		94
6) Chloroethane	2.796	64	3123	2.972	ug/l		98
7) Trichlorofluoromethane	3.137	101	6648	2.826	ug/l		93
8) Diethyl Ether	3.540	74	2195	2.825	ug/l		79
9) 1,1,2-Trichlorotrifluo...	3.912	101	3398	2.706	ug/l		97
10) Methyl Iodide	4.095	142	3058	2.235	ug/l	#	91
11) Tert butyl alcohol	4.954	59	2325	18.209	ug/l	#	88
12) 1,1-Dichloroethene	3.881	96	3407	2.667	ug/l		86
13) Acrolein	3.735	56	913	11.229	ug/l		99
14) Allyl chloride	4.491	41	6159	2.507	ug/l		95
15) Acrylonitrile	5.180	53	5458	13.357	ug/l		96
16) Acetone	3.954	43	5241	12.855	ug/l		91
17) Carbon Disulfide	4.204	76	11521	2.697	ug/l		98
18) Methyl Acetate	4.485	43	4151	3.020	ug/l		97
19) Methyl tert-butyl Ether	5.235	73	9609	2.576	ug/l		92
20) Methylene Chloride	4.723	84	5420	3.416	ug/l		86
21) trans-1,2-Dichloroethene	5.229	96	3763	2.657	ug/l		85
22) Diisopropyl ether	6.131	45	11963	2.462	ug/l		93
23) Vinyl Acetate	6.070	43	33240	11.411	ug/l		96
24) 1,1-Dichloroethane	6.033	63	7243	2.776	ug/l		98
25) 2-Butanone	6.990	43	6942	12.224	ug/l		95
26) 2,2-Dichloropropane	6.984	77	6322	2.650	ug/l		99
27) cis-1,2-Dichloroethene	6.997	96	4102	2.586	ug/l		93
28) Bromochloromethane	7.338	49	3156	2.905	ug/l	#	98
29) Tetrahydrofuran	7.356	42	4115	11.472	ug/l	#	87
30) Chloroform	7.515	83	7435	2.857	ug/l		84
31) Cyclohexane	7.795	56	9213	3.331	ug/l	#	68
32) 1,1,1-Trichloroethane	7.704	97	6791	2.826	ug/l		98
36) 1,1-Dichloropropene	7.923	75	5605	2.703	ug/l		95
37) Ethyl Acetate	7.088	43	3066	2.538	ug/l		96
38) Carbon Tetrachloride	7.911	117	6131	2.800	ug/l	#	84
39) Methylcyclohexane	9.185	83	7083	2.719	ug/l		92
40) Benzene	8.167	78	15621	2.655	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	1846m	2.356	ug/l		
42) 1,2-Dichloroethane	8.240	62	5601	2.955	ug/l		100
43) Isopropyl Acetate	8.277	43	6032	2.604	ug/l		95
44) Trichloroethene	8.947	130	4344	2.859	ug/l		95
45) 1,2-Dichloropropane	9.222	63	3946	2.725	ug/l		96
46) Dibromomethane	9.307	93	2083	2.701	ug/l		94
47) Bromodichloromethane	9.496	83	5153	2.595	ug/l	#	89
48) Methyl methacrylate	9.295	41	2739	2.464	ug/l		97
49) 1,4-Dioxane	9.289	88	577	57.348	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.075	43	14570	12.112	ug/l		97
52) Toluene	10.246	92	9702	2.659	ug/l		97
53) t-1,3-Dichloropropene	10.465	75	5818	2.687	ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	6127	2.574	ug/l		93
55) 1,1,2-Trichloroethane	10.648	97	2849	2.626	ug/l		96
56) Ethyl methacrylate	10.508	69	3835	2.325	ug/l		94
57) 1,3-Dichloropropane	10.795	76	4957	2.525	ug/l		93
58) 2-Chloroethyl Vinyl ether	9.789	63	11083	13.715	ug/l		96
59) 2-Hexanone	10.831	43	10203	11.908	ug/l		97
60) Dibromochloromethane	10.990	129	3418	2.593	ug/l		90
61) 1,2-Dibromoethane	11.093	107	2633	2.563	ug/l		92
64) Tetrachloroethene	10.721	164	4890	3.139	ug/l		95
65) Chlorobenzene	11.514	112	10291	2.685	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.593	131	3922	2.777	ug/l		97
67) Ethyl Benzene	11.593	91	18528	2.565	ug/l		96
68) m/p-Xylenes	11.703	106	13874	5.061	ug/l		96
69) o-Xylene	12.032	106	6694	2.585	ug/l		93
70) Styrene	12.044	104	10854	2.468	ug/l		97
71) Bromoform	12.209	173	2387	2.718	ug/l	#	92
73) Isopropylbenzene	12.331	105	17691	2.500	ug/l		99
74) N-amyl acetate	12.142	43	4822	2.196	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.581	83	3002	2.349	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	2391m	2.490	ug/l		
77) Bromobenzene	12.605	156	4449	2.682	ug/l		94
78) n-propylbenzene	12.672	91	22634	2.599	ug/l		99
79) 2-Chlorotoluene	12.758	91	12648	2.624	ug/l		98
80) 1,3,5-Trimethylbenzene	12.813	105	14762	2.495	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.380	75	1199m	2.454	ug/l		
82) 4-Chlorotoluene	12.855	91	13026	2.613	ug/l		100
83) tert-Butylbenzene	13.075	119	12430	2.457	ug/l		98
84) 1,2,4-Trimethylbenzene	13.123	105	14903	2.551	ug/l		99
85) sec-Butylbenzene	13.251	105	19517	2.553	ug/l		98
86) p-Isopropyltoluene	13.367	119	16419	2.545	ug/l		97
87) 1,3-Dichlorobenzene	13.367	146	9153	2.785	ug/l		98
88) 1,4-Dichlorobenzene	13.447	146	9082	2.802	ug/l		88
89) n-Butylbenzene	13.697	91	15385	2.510	ug/l		98
90) Hexachloroethane	13.959	117	3309	2.825	ug/l		97
91) 1,2-Dichlorobenzene	13.739	146	7962	2.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	659	2.707	ug/l		93
93) 1,2,4-Trichlorobenzene	15.007	180	5387	2.836	ug/l		98
94) Hexachlorobutadiene	15.117	225	3503	2.827	ug/l		95
95) Naphthalene	15.233	128	10075	2.670	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	5057	3.004	ug/l		97

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

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