Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
Data File : VD070721.D
Acq On : 15 Oct 2021 17:37
Operator : VA/SY
Sample : M4068-03 4PPBMDL
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations APPROVED
MMDadoda
10/18/2021 5:51:20 PM

Quant Time: Oct 18 08:44:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:43:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	377295	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	695401	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	661733	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300524	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	253430	56.71	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.42%				
35) Dibromofluoromethane	7.914	113	223554	50.21	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.42%				
50) Toluene-d8	10.332	98	819377	48.00	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.00%				
62) 4-Bromofluorobenzene	12.626	95	265422	45.16	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.32%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	18256	4.14	ug/l		99
3) Chloromethane	2.209	50	29953	4.58	ug/l		98
4) Vinyl Chloride	2.344	62	29015	4.33	ug/l		97
5) Bromomethane	2.773	94	22247	5.44	ug/l		83
6) Chloroethane	2.920	64	18217	4.31	ug/l		94
7) Trichlorofluoromethane	3.273	101	34297	4.52	ug/l		98
8) Diethyl Ether	3.709	74	8286	4.10	ug/l		60
9) 1,1,2-Trichlorotrifluo...	4.085	101	19774	4.36	ug/l		98
10) Methyl Iodide	4.297	142	12711	3.06	ug/l	#	82
11) Tert butyl alcohol	5.220	59	7426	29.68	ug/l	#	83
12) 1,1-Dichloroethene	4.062	96	16826	4.10	ug/l		88
13) Acrolein	3.926	56	5084	21.00	ug/l		87
14) Allyl chloride	4.709	41	28874	3.72	ug/l		90
15) Acrylonitrile	5.414	53	22973	21.60	ug/l		96
16) Acetone	4.150	43	21070	19.55	ug/l	#	87
17) Carbon Disulfide	4.409	76	61294	4.10	ug/l	#	89
18) Methyl Acetate	4.726	43	19507	5.21	ug/l	#	86
19) Methyl tert-butyl Ether	5.467	73	34448	3.89	ug/l		94
20) Methylene Chloride	4.962	84	61931	8.90	ug/l	#	81
21) trans-1,2-Dichloroethene	5.467	96	18827	4.00	ug/l		90
22) Diisopropyl ether	6.356	45	56107	3.71	ug/l	#	90
23) Vinyl Acetate	6.303	43	120091	16.82	ug/l	#	91
24) 1,1-Dichloroethane	6.256	63	43266	4.60	ug/l		95
25) 2-Butanone	7.208	43	25300	19.00	ug/l		90
26) 2,2-Dichloropropane	7.197	77	29491	3.96	ug/l		99
27) cis-1,2-Dichloroethene	7.208	96	21002	4.16	ug/l		90
28) Bromochloromethane	7.544	49	18020	4.81	ug/l	#	13
29) Tetrahydrofuran	7.555	42	16001	19.63	ug/l	#	85
30) Chloroform	7.714	83	40219	4.37	ug/l		90
31) Cyclohexane	7.985	56	39357	4.35	ug/l	#	89
32) 1,1,1-Trichloroethane	7.903	97	33124	4.24	ug/l		94
36) 1,1-Dichloropropene	8.114	75	29147	3.76	ug/l		98
37) Ethyl Acetate	7.297	43	11228	3.50	ug/l	#	65
38) Carbon Tetrachloride	8.097	117	28384	3.83	ug/l		98
39) Methylcyclohexane	9.350	83	29988	3.43	ug/l		89
40) Benzene	8.350	78	86979	3.90	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	7409	4.02	ug/l	#	57
42) 1,2-Dichloroethane	8.420	62	27649	4.37	ug/l		99
43) Isopropyl Acetate	8.450	43	23973	3.92	ug/l		94
44) Trichloroethene	9.108	130	23157	4.42	ug/l		92
45) 1,2-Dichloropropane	9.385	63	23968	4.07	ug/l		100
46) Dibromomethane	9.467	93	11542	4.09	ug/l		95
47) Bromodichloromethane	9.655	83	29351	3.92	ug/l	#	89
48) Methyl methacrylate	9.450	41	11624	3.88	ug/l	#	79
49) 1,4-Dioxane	9.450	88	2872	94.75	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.220	43	60183	18.65	ug/l		87
52) Toluene	10.397	92	52346	3.94	ug/l		99
53) t-1,3-Dichloropropene	10.614	75	25361	3.79	ug/l		99
54) cis-1,3-Dichloropropene	10.085	75	29858	3.73	ug/l	#	84
55) 1,1,2-Trichloroethane	10.796	97	16188	4.18	ug/l	#	87
56) Ethyl methacrylate	10.649	69	16756	3.62	ug/l	#	82
57) 1,3-Dichloropropane	10.938	76	27203	3.95	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	39949	19.56	ug/l		95
59) 2-Hexanone	10.973	43	36968	16.28	ug/l		81
60) Dibromochloromethane	11.138	129	18520	4.16	ug/l		99
61) 1,2-Dibromoethane	11.238	107	12802	3.61	ug/l		93
64) Tetrachloroethene	10.873	164	18486	4.16	ug/l	#	74
65) Chlorobenzene	11.661	112	53804	3.96	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.738	131	19825	3.95	ug/l		95
67) Ethyl Benzene	11.738	91	85518	3.45	ug/l		99
68) m/p-Xylenes	11.849	106	59085	6.29	ug/l		94
69) o-Xylene	12.167	106	28104	3.30	ug/l		96
70) Styrene	12.185	104	46172	3.11	ug/l		99
71) Bromoform	12.349	173	10211	3.92	ug/l	#	90
73) Isopropylbenzene	12.467	105	69411	3.24	ug/l		99
74) N-amyl acetate	12.279	43	18837	3.38	ug/l		90
75) 1,1,2,2-Tetrachloroethane	12.714	83	19085	4.51	ug/l		100
76) 1,2,3-Trichloropropane	12.779	75	10562m	4.07	ug/l		
77) Bromobenzene	12.749	156	19686	4.06	ug/l		99
78) n-propylbenzene	12.808	91	99248	3.57	ug/l		99
79) 2-Chlorotoluene	12.896	91	59316	3.69	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	59947	3.31	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.526	75	4777	4.03	ug/l	#	90
82) 4-Chlorotoluene	12.990	91	60884	3.58	ug/l		100
83) tert-Butylbenzene	13.208	119	50256	3.36	ug/l		99
84) 1,2,4-Trimethylbenzene	13.255	105	55234	3.07	ug/l		100
85) sec-Butylbenzene	13.390	105	75490	3.21	ug/l		99
86) p-Isopropyltoluene	13.502	119	59476	3.15	ug/l		97
87) 1,3-Dichlorobenzene	13.502	146	38077	3.74	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	42994	4.28	ug/l		94
89) n-Butylbenzene	13.832	91	62517	3.28	ug/l		98
90) Hexachloroethane	14.096	117	17299	4.24	ug/l		91
91) 1,2-Dichlorobenzene	13.879	146	34721	3.99	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3196	4.73	ug/l		91
93) 1,2,4-Trichlorobenzene	15.137	180	19125	3.84	ug/l		97
94) Hexachlorobutadiene	15.255	225	13378	4.10	ug/l		97
95) Naphthalene	15.384	128	28647	3.39	ug/l	#	91
96) 1,2,3-Trichlorobenzene	15.579	180	16029	3.62	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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