Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
Data File : VD069851.D
Acq On : 26 Jul 2021 16:51
Operator : VA/SY
Sample : M2940-01 4PPBLOD
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations APPROVED
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7/27/2021 12:14:27 PM

Quant Time: Jul 27 08:18:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 27 08:17:07 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	709299	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	1327308	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	1269692	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	575108	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	399881	49.020	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.040%				
35) Dibromofluoromethane	7.914	113	391934	46.841	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.680%				
50) Toluene-d8	10.338	98	1493977	46.305	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.600%				
62) 4-Bromofluorobenzene	12.626	95	522940	48.498	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.985	85	29735	3.983	ug/l		91
3) Chloromethane	2.209	50	41671	3.848	ug/l		93
4) Vinyl Chloride	2.344	62	43262	3.798	ug/l		94
5) Bromomethane	2.768	94	33325	4.467	ug/l		99
6) Chloroethane	2.921	64	29360	3.977	ug/l		92
7) Trichlorofluoromethane	3.268	101	56693	4.032	ug/l		97
8) Diethyl Ether	3.709	74	15712	3.972	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.085	101	36981	4.141	ug/l		97
10) Methyl Iodide	4.303	142	23365	2.994	ug/l	#	93
11) Tert butyl alcohol	5.220	59	11368m	26.931	ug/l		
12) 1,1-Dichloroethene	4.067	96	32030	3.947	ug/l		95
13) Acrolein	3.920	56	8548	14.466	ug/l		84
14) Allyl chloride	4.709	41	42541	3.575	ug/l		98
15) Acrylonitrile	5.420	53	34416	18.497	ug/l		96
16) Acetone	4.150	43	28255	19.174	ug/l		89
17) Carbon Disulfide	4.403	76	109153	3.762	ug/l		98
18) Methyl Acetate	4.726	43	20763	4.856	ug/l		95
19) Methyl tert-butyl Ether	5.473	73	62017	3.688	ug/l	#	89
20) Methylene Chloride	4.962	84	92729	6.909	ug/l		97
21) trans-1,2-Dichloroethene	5.473	96	38403	4.016	ug/l		86
22) Diisopropyl ether	6.356	45	82558	3.193	ug/l	#	90
23) Vinyl Acetate	6.303	43	168136	13.575	ug/l		97
24) 1,1-Dichloroethane	6.261	63	71611	4.010	ug/l		99
25) 2-Butanone	7.214	43	37186	18.608	ug/l		98
26) 2,2-Dichloropropane	7.203	77	52787	3.887	ug/l		97
27) cis-1,2-Dichloroethene	7.209	96	39465	3.868	ug/l		94
28) Bromochloromethane	7.544	49	25247	3.724	ug/l		95
29) Tetrahydrofuran	7.561	42	21854	16.903	ug/l		98
30) Chloroform	7.708	83	74420	4.145	ug/l		100
31) Cyclohexane	7.979	56	73669	4.622	ug/l	#	77
32) 1,1,1-Trichloroethane	7.903	97	60919	4.099	ug/l		99
36) 1,1-Dichloropropene	8.114	75	53401	3.728	ug/l		97
37) Ethyl Acetate	7.291	43	18531m	3.554	ug/l		
38) Carbon Tetrachloride	8.097	117	47218	3.609	ug/l	#	96
39) Methylcyclohexane	9.350	83	74840	4.562	ug/l		97
40) Benzene	8.350	78	156860	3.780	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.538	41	10938m	3.997	ug/l		
42) 1,2-Dichloroethane	8.426	62	45434	4.140	ug/l		99
43) Isopropyl Acetate	8.450	43	34090	3.645	ug/l		99
44) Trichloroethene	9.108	130	40817	3.994	ug/l		94
45) 1,2-Dichloropropane	9.391	63	40713	3.735	ug/l		97
46) Dibromomethane	9.473	93	20070	3.746	ug/l		94
47) Bromodichloromethane	9.655	83	51321	3.687	ug/l	#	95
48) Methyl methacrylate	9.455	41	14062	3.125	ug/l		89
49) 1,4-Dioxane	9.455	88	4037	71.316	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.226	43	80742	16.591	ug/l		96
52) Toluene	10.402	92	99009	3.933	ug/l		99
53) t-1,3-Dichloropropene	10.614	75	43294	3.705	ug/l		96
54) cis-1,3-Dichloropropene	10.085	75	49959	3.532	ug/l		97
55) 1,1,2-Trichloroethane	10.797	97	35175	4.648	ug/l		94
56) Ethyl methacrylate	10.655	69	30618	3.695	ug/l		96
57) 1,3-Dichloropropane	10.944	76	48659	3.800	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	52047	14.664	ug/l		98
59) 2-Hexanone	10.979	43	61086	18.976	ug/l		81
60) Dibromochloromethane	11.132	129	33691	3.931	ug/l		97
61) 1,2-Dibromoethane	11.244	107	27585	4.049	ug/l		99
64) Tetrachloroethene	10.873	164	32734	4.044	ug/l		92
65) Chlorobenzene	11.667	112	106066	4.032	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.738	131	37230	3.934	ug/l		99
67) Ethyl Benzene	11.738	91	180504	3.898	ug/l		93
68) m/p-Xylenes	11.849	106	128497	7.157	ug/l		99
69) o-Xylene	12.173	106	58322	3.573	ug/l		98
70) Styrene	12.191	104	97636	3.452	ug/l		98
71) Bromoform	12.349	173	16884	3.674	ug/l	#	91
73) Isopropylbenzene	12.473	105	165287	4.000	ug/l		100
74) N-amyl acetate	12.279	43	34450	4.053	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.726	83	33045	4.004	ug/l		97
76) 1,2,3-Trichloropropane	12.779	75	25841m	4.227	ug/l		
77) Bromobenzene	12.755	156	38321	4.118	ug/l		96
78) n-propylbenzene	12.814	91	206758	3.896	ug/l		99
79) 2-Chlorotoluene	12.902	91	121480	3.941	ug/l		97
80) 1,3,5-Trimethylbenzene	12.949	105	134093	3.793	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.520	75	7919	3.930	ug/l		94
82) 4-Chlorotoluene	12.996	91	126114	3.913	ug/l		94
83) tert-Butylbenzene	13.214	119	110846	3.857	ug/l		99
84) 1,2,4-Trimethylbenzene	13.261	105	128171	3.675	ug/l		99
85) sec-Butylbenzene	13.391	105	178480	3.928	ug/l		100
86) p-Isopropyltoluene	13.508	119	143225	3.880	ug/l		98
87) 1,3-Dichlorobenzene	13.502	146	78351	4.010	ug/l		99
88) 1,4-Dichlorobenzene	13.585	146	80544	4.136	ug/l		94
89) n-Butylbenzene	13.832	91	133405	3.662	ug/l		97
90) Hexachloroethane	14.102	117	31604	4.042	ug/l		96
91) 1,2-Dichlorobenzene	13.879	146	67441	3.999	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	6004	5.053	ug/l		91
93) 1,2,4-Trichlorobenzene	15.149	180	41209	4.529	ug/l		97
94) Hexachlorobutadiene	15.255	225	23667	4.252	ug/l		96
95) Naphthalene	15.385	128	68841	4.238	ug/l		98
96) 1,2,3-Trichlorobenzene	15.579	180	33317	4.234	ug/l		98

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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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