Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
Data File : VD069725.D
Acq On : 16 Jul 2021 15:11
Operator : VA/SY
Sample : M3029-02MS
Misc : 4.35G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RVR-CF01-01MS

Manual Integrations APPROVED
MMDadoda
7/19/2021 5:52:30 PM

Quant Time: Jul 17 00:52:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	115324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	224839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	185167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	54089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	154676	107.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 214.840%#			
35) Dibromofluoromethane	7.914	113	110334	73.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 146.300%			
50) Toluene-d8	10.337	98	298215	50.889	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.626	95	72430	37.060	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	68206	57.279	ug/l	99
3) Chloromethane	2.208	50	121295	74.674	ug/l	98
4) Vinyl Chloride	2.344	62	114270	65.139	ug/l	94
5) Bromomethane	2.761	94	82302	76.851	ug/l	100
6) Chloroethane	2.920	64	80827	72.011	ug/l	94
7) Trichlorofluoromethane	3.267	101	120241	54.352	ug/l	98
8) Diethyl Ether	3.708	74	83446	129.285	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	60669	44.222	ug/l	99
10) Methyl Iodide	4.297	142	82668	57.239	ug/l	99
11) Tert butyl alcohol	5.226	59	86104	447.546	ug/l #	95
12) 1,1-Dichloroethene	4.061	96	73768	58.653	ug/l	97
14) Allyl chloride	4.714	41	132224	68.042	ug/l	95
15) Acrylonitrile	5.414	53	316253	1080.534	ug/l	99
16) Acetone	4.149	43	277600	Below Cal		99
17) Carbon Disulfide	4.402	76	237231	53.423	ug/l	98
18) Methyl Acetate	4.720	43	510367	825.274	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	389506	146.297	ug/l	99
20) Methylene Chloride	4.955	84	180332	108.123	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	99774	66.431	ug/l	93
22) Diisopropyl ether	6.367	45	354643	88.057	ug/l	98
24) 1,1-Dichloroethane	6.261	63	211068	75.101	ug/l	99
25) 2-Butanone	7.208	43	341808	1004.334	ug/l	99
26) 2,2-Dichloropropane	7.214	77	140106	62.483	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	126334	77.976	ug/l	96
28) Bromochloromethane	7.543	49	120155	110.780	ug/l	98
29) Tetrahydrofuran	7.561	42	238389	1130.562	ug/l	99
30) Chloroform	7.708	83	224658	80.359	ug/l	94
31) Cyclohexane	7.985	56	69883	28.708	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	139310	58.768	ug/l	98
36) 1,1-Dichloropropene	8.108	75	103002	44.406	ug/l	98
37) Ethyl Acetate	7.290	43	47799	54.477	ug/l	100
38) Carbon Tetrachloride	8.090	117	90451	42.584	ug/l	95
39) Methylcyclohexane	9.355	83	38328	15.249	ug/l	97
40) Benzene	8.349	78	430477	64.344	ug/l	98
41) Methacrylonitrile	7.538	41	90462m	198.938	ug/l	
42) 1,2-Dichloroethane	8.426	62	189723	104.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Isopropyl Acetate	8.449	43	94367	58.731 ug/l #	57
44) Trichloroethene	9.108	130	80203	49.437 ug/l	97
45) 1,2-Dichloropropane	9.384	63	130189	74.037 ug/l	97
46) Dibromomethane	9.473	93	99529	115.970 ug/l	99
47) Bromodichloromethane	9.655	83	177911	78.218 ug/l	96
48) Methyl methacrylate	9.455	41	138205	163.151 ug/l	95
49) 1,4-Dioxane	9.455	88	37325	Below Cal	94
51) 4-Methyl-2-Pentanone	10.226	43	741411	891.037 ug/l	99
52) Toluene	10.396	92	213433	53.039 ug/l	98
53) t-1,3-Dichloropropene	10.614	75	187993	98.319 ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	193366	82.353 ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	133735	111.397 ug/l	94
56) Ethyl methacrylate	10.655	69	102701	66.393 ug/l	97
57) 1,3-Dichloropropane	10.943	76	221894	104.692 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.937	63	466927	666.864 ug/l	99
59) 2-Hexanone	10.979	43	473162	853.149 ug/l	97
60) Dibromochloromethane	11.137	129	125988	89.957 ug/l	99
61) 1,2-Dibromoethane	11.243	107	129642	116.391 ug/l	100
64) Tetrachloroethene	10.873	164	48218	42.643 ug/l	93
65) Chlorobenzene	11.661	112	195405	52.826 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.737	131	90016	68.124 ug/l	95
67) Ethyl Benzene	11.737	91	257712	39.343 ug/l	96
68) m/p-Xylenes	11.849	106	197613	79.780 ug/l	97
69) o-Xylene	12.173	106	99175	43.970 ug/l	99
70) Styrene	12.190	104	175685	44.635 ug/l	99
71) Bromoform	12.355	173	71666	111.867 ug/l #	97
73) Isopropylbenzene	12.473	105	167178	43.407 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	143127	186.573 ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	113551m	216.099 ug/l	
77) Bromobenzene	12.749	156	66587	77.928 ug/l	69
78) n-propylbenzene	12.814	91	194817	39.894 ug/l	99
79) 2-Chlorotoluene	12.896	91	137025	47.729 ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	128855	39.446 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	44460	227.390 ug/l	99
82) 4-Chlorotoluene	12.996	91	145840	48.409 ug/l	96
83) tert-Butylbenzene	13.214	119	91835	34.484 ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	128289	39.583 ug/l	99
85) sec-Butylbenzene	13.390	105	112895	26.974 ug/l	100
86) p-Isopropyltoluene	13.508	119	88630	25.999 ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	81150	45.730 ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	84271	47.553 ug/l	98
89) n-Butylbenzene	13.831	91	68972	20.422 ug/l	98
90) Hexachloroethane	14.102	117	22653	32.656 ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	77504	50.653 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21404	187.326 ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	19686	23.142 ug/l	94
94) Hexachlorobutadiene	15.249	225	10222	19.931 ug/l	91
95) Naphthalene	15.390	128	70689	41.696 ug/l	98
96) 1,2,3-Trichlorobenzene	15.578	180	18384	25.160 ug/l	92

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

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