Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
Data File : VD071404.D
Acq On : 21 Dec 2021 11:04
Operator : VA/SY
Sample : VD1221SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 21 19:04:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	295427	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	504819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	465492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	232658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180373	52.033	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.060%			
35) Dibromofluoromethane	7.914	113	170399	53.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.332	98	571554	46.721	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.440%			
62) 4-Bromofluorobenzene	12.620	95	221779	52.300	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	51007	20.246	ug/l	98
3) Chloromethane	2.215	50	63583	19.077	ug/l	91
4) Vinyl Chloride	2.350	62	75384	20.273	ug/l	99
5) Bromomethane	2.762	94	56934	21.240	ug/l	95
6) Chloroethane	2.926	64	51742	20.231	ug/l	99
7) Trichlorofluoromethane	3.273	101	105324	20.909	ug/l	98
8) Diethyl Ether	3.709	74	29371	21.508	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	62029	20.872	ug/l	94
10) Methyl Iodide	4.309	142	47687	17.105	ug/l	94
11) Tert butyl alcohol	5.209	59	29278m	77.977	ug/l	
12) 1,1-Dichloroethene	4.073	96	53546	19.524	ug/l	90
13) Acrolein	3.920	56	17287	72.975	ug/l	95
14) Allyl chloride	4.709	41	101841	19.550	ug/l #	78
15) Acrylonitrile	5.426	53	76659	115.428	ug/l	97
16) Acetone	4.156	43	78270	105.353	ug/l	93
17) Carbon Disulfide	4.415	76	133768	16.659	ug/l	95
18) Methyl Acetate	4.720	43	62593	24.473	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	144568	21.509	ug/l	91
20) Methylene Chloride	4.967	84	89023	23.212	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	63617	20.607	ug/l	95
22) Diisopropyl ether	6.367	45	221471	21.220	ug/l	93
23) Vinyl Acetate	6.309	43	403582	90.939	ug/l	98
24) 1,1-Dichloroethane	6.261	63	126361	21.049	ug/l	98
25) 2-Butanone	7.214	43	102935	114.199	ug/l #	84
26) 2,2-Dichloropropane	7.203	77	101382	18.572	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	72783	20.839	ug/l	94
28) Bromochloromethane	7.538	49	61604	23.626	ug/l	91
29) Tetrahydrofuran	7.561	42	62022	112.676	ug/l	94
30) Chloroform	7.708	83	127544	21.170	ug/l	91
31) Cyclohexane	7.985	56	112181	19.025	ug/l	86
32) 1,1,1-Trichloroethane	7.897	97	110944	20.511	ug/l	94
36) 1,1-Dichloropropene	8.108	75	94515	20.032	ug/l	97
37) Ethyl Acetate	7.285	43	45856	22.500	ug/l #	93
38) Carbon Tetrachloride	8.097	117	95773	20.592	ug/l	93
39) Methylcyclohexane	9.350	83	106568	18.779	ug/l	96
40) Benzene	8.350	78	254558	19.863	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.520	41	26793	29.572	ug/l	#	76
42) 1,2-Dichloroethane	8.420	62	86887	22.210	ug/l		95
43) Isopropyl Acetate	8.444	43	90289	23.253	ug/l	#	89
44) Trichloroethene	9.108	130	70662	20.679	ug/l		95
45) 1,2-Dichloropropane	9.385	63	69899	20.739	ug/l		95
46) Dibromomethane	9.473	93	38138	21.811	ug/l		94
47) Bromodichloromethane	9.655	83	100599	21.754	ug/l		95
48) Methyl methacrylate	9.450	41	41882	20.994	ug/l	#	82
49) 1,4-Dioxane	9.455	88	8450	500.610	ug/l		87
51) 4-Methyl-2-Pentanone	10.226	43	223942	116.147	ug/l		93
52) Toluene	10.397	92	168313	20.699	ug/l		96
53) t-1,3-Dichloropropene	10.614	75	85410	20.088	ug/l		94
54) cis-1,3-Dichloropropene	10.085	75	104945	20.780	ug/l	#	76
55) 1,1,2-Trichloroethane	10.797	97	51104	22.278	ug/l		95
56) Ethyl methacrylate	10.655	69	63766	22.974	ug/l	#	78
57) 1,3-Dichloropropane	10.938	76	88670	22.004	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	211044	135.201	ug/l		99
59) 2-Hexanone	10.979	43	154857	111.632	ug/l		90
60) Dibromochloromethane	11.132	129	62310	21.856	ug/l		99
61) 1,2-Dibromoethane	11.238	107	47818	21.705	ug/l		98
64) Tetrachloroethene	10.873	164	57417	19.429	ug/l		96
65) Chlorobenzene	11.661	112	171738	19.884	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.738	131	64133	20.337	ug/l		98
67) Ethyl Benzene	11.738	91	318248	19.574	ug/l		97
68) m/p-Xylenes	11.844	106	242638	39.528	ug/l		99
69) o-Xylene	12.173	106	111342	19.299	ug/l		94
70) Styrene	12.185	104	193830	19.934	ug/l		96
71) Bromoform	12.355	173	35035	21.445	ug/l	#	96
73) Isopropylbenzene	12.473	105	302708	17.969	ug/l		99
74) N-amyl acetate	12.279	43	75974	20.295	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.720	83	58649	21.141	ug/l		100
76) 1,2,3-Trichloropropane	12.773	75	39925m	18.011	ug/l		
77) Bromobenzene	12.749	156	68850	18.869	ug/l		96
78) n-propylbenzene	12.814	91	387696	18.480	ug/l		98
79) 2-Chlorotoluene	12.896	91	217565	18.477	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	249201	17.939	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.520	75	15864	20.579	ug/l	#	71
82) 4-Chlorotoluene	12.996	91	221512	18.121	ug/l		96
83) tert-Butylbenzene	13.214	119	220891	18.515	ug/l		97
84) 1,2,4-Trimethylbenzene	13.261	105	252544	18.621	ug/l		98
85) sec-Butylbenzene	13.391	105	336941	18.491	ug/l		99
86) p-Isopropyltoluene	13.508	119	276938	18.582	ug/l		98
87) 1,3-Dichlorobenzene	13.508	146	142190	19.575	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	136788	19.008	ug/l		98
89) n-Butylbenzene	13.832	91	272830	18.753	ug/l		98
90) Hexachloroethane	14.102	117	53595	18.970	ug/l		95
91) 1,2-Dichlorobenzene	13.879	146	119640	19.368	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	9782	21.652	ug/l		94
93) 1,2,4-Trichlorobenzene	15.143	180	71897	18.660	ug/l		99
94) Hexachlorobutadiene	15.249	225	39929	18.315	ug/l		98
95) Naphthalene	15.385	128	129967	19.134	ug/l		99
96) 1,2,3-Trichlorobenzene	15.579	180	61109	18.673	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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