Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
Data File : VD070589.D
Acq On : 06 Oct 2021 13:10
Operator : VA/SY
Sample : M4068-01 4PPBLOD
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
M4068-01 4PPBLOD

Manual Integrations APPROVED
MMDadoda
10/7/2021 5:32:38 PM

Quant Time: Oct 07 06:59:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	325950	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	594887	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.638	117	558066	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	254938	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	201059	52.414	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.820%				
35) Dibromofluoromethane	7.914	113	201865	51.038	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.080%				
50) Toluene-d8	10.332	98	770563	50.963	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.920%				
62) 4-Bromofluorobenzene	12.626	95	243362	48.157	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.320%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	17250	4.339	ug/l		96
3) Chloromethane	2.209	50	21896	4.436	ug/l		91
4) Vinyl Chloride	2.350	62	24366	4.455	ug/l		95
5) Bromomethane	2.768	94	18194	2.048	ug/l		99
6) Chloroethane	2.915	64	16204	4.640	ug/l	#	80
7) Trichlorofluoromethane	3.268	101	30146	4.253	ug/l		100
8) Diethyl Ether	3.703	74	6958	3.772	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.097	101	18968	4.415	ug/l		98
10) Methyl Iodide	4.303	142	12220	3.474	ug/l		97
11) Tert butyl alcohol	5.197	59	4617m	24.297	ug/l		
12) 1,1-Dichloroethene	4.067	96	16013	4.186	ug/l	#	93
13) Acrolein	3.915	56	3711	20.341	ug/l	#	81
14) Allyl chloride	4.720	41	19427	3.649	ug/l		98
15) Acrylonitrile	5.426	53	15421	19.272	ug/l	#	88
16) Acetone	4.162	43	12874	19.764	ug/l		100
17) Carbon Disulfide	4.409	76	57593	4.124	ug/l	#	88
18) Methyl Acetate	4.720	43	11028	4.387	ug/l		95
19) Methyl tert-butyl Ether	5.479	73	27595	3.621	ug/l	#	88
20) Methylene Chloride	4.967	84	45190	2.118	ug/l		94
21) trans-1,2-Dichloroethene	5.462	96	17387	3.865	ug/l		88
22) Diisopropyl ether	6.356	45	35082	3.207	ug/l		91
23) Vinyl Acetate	6.309	43	75950m	15.272	ug/l		
24) 1,1-Dichloroethane	6.261	63	33240	4.126	ug/l	#	95
25) 2-Butanone	7.214	43	15051	17.647	ug/l	#	77
26) 2,2-Dichloropropane	7.208	77	28356	4.253	ug/l		98
27) cis-1,2-Dichloroethene	7.214	96	19596	4.145	ug/l		94
28) Bromochloromethane	7.550	49	12112	4.318	ug/l		98
29) Tetrahydrofuran	7.561	42	9135	16.617	ug/l		96
30) Chloroform	7.708	83	36741	4.384	ug/l		99
31) Cyclohexane	7.979	56	30810	4.338	ug/l	#	61
32) 1,1,1-Trichloroethane	7.903	97	31746	4.398	ug/l		99
36) 1,1-Dichloropropene	8.108	75	24696	3.909	ug/l		98
37) Ethyl Acetate	7.291	43	7211	3.435	ug/l	#	77
38) Carbon Tetrachloride	8.097	117	27155	4.107	ug/l	#	88
39) Methylcyclohexane	9.350	83	26990	3.715	ug/l		95
40) Benzene	8.350	78	75830	4.072	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.532	41	4379	4.045	ug/l	#	83
42) 1,2-Dichloroethane	8.426	62	19691	4.089	ug/l		97
43) Isopropyl Acetate	8.455	43	14116	3.670	ug/l		95
44) Trichloroethene	9.108	130	19308	4.205	ug/l		98
45) 1,2-Dichloropropane	9.379	63	18592	3.912	ug/l		97
46) Dibromomethane	9.473	93	9721	3.985	ug/l		99
47) Bromodichloromethane	9.661	83	24899	3.956	ug/l	#	96
48) Methyl methacrylate	9.450	41	6405	3.552	ug/l		92
49) 1,4-Dioxane	9.467	88	1370	55.275	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.220	43	31252	15.749	ug/l		99
52) Toluene	10.397	92	48103	4.205	ug/l		99
53) t-1,3-Dichloropropene	10.614	75	21171	3.843	ug/l		89
54) cis-1,3-Dichloropropene	10.085	75	24155	3.642	ug/l	#	86
55) 1,1,2-Trichloroethane	10.791	97	13948	4.198	ug/l		93
56) Ethyl methacrylate	10.661	69	11953	4.303	ug/l		98
57) 1,3-Dichloropropane	10.938	76	22519	3.984	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.938	63	28847	18.018	ug/l		95
59) 2-Hexanone	10.973	43	21455	11.430	ug/l		94
60) Dibromochloromethane	11.132	129	15595	3.896	ug/l		96
61) 1,2-Dibromoethane	11.238	107	12958	4.188	ug/l		93
64) Tetrachloroethene	10.873	164	15103	4.221	ug/l		93
65) Chlorobenzene	11.661	112	49164	4.131	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.738	131	17603	3.976	ug/l		95
67) Ethyl Benzene	11.738	91	72808	3.546	ug/l	#	86
68) m/p-Xylenes	11.844	106	55109	6.814	ug/l		98
69) o-Xylene	12.173	106	24382	3.390	ug/l		98
70) Styrene	12.191	104	41494	3.274	ug/l		97
71) Bromoform	12.355	173	7908	3.805	ug/l	#	97
73) Isopropylbenzene	12.473	105	63344	3.408	ug/l		99
74) N-amyl acetate	12.279	43	11032	3.150	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.720	83	14835	4.083	ug/l		97
76) 1,2,3-Trichloropropane	12.767	75	12106m	5.246	ug/l		
77) Bromobenzene	12.749	156	18125	4.362	ug/l		92
78) n-propylbenzene	12.808	91	89865	3.821	ug/l		99
79) 2-Chlorotoluene	12.896	91	51263	3.715	ug/l		97
80) 1,3,5-Trimethylbenzene	12.949	105	55221	3.484	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.514	75	3318m	3.192	ug/l		
82) 4-Chlorotoluene	12.996	91	52412	3.634	ug/l		100
83) tert-Butylbenzene	13.214	119	46793	3.572	ug/l		99
84) 1,2,4-Trimethylbenzene	13.255	105	53813	3.412	ug/l		98
85) sec-Butylbenzene	13.391	105	72277	3.559	ug/l		98
86) p-Isopropyltoluene	13.502	119	54197	3.267	ug/l		98
87) 1,3-Dichlorobenzene	13.502	146	35701	4.092	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	35517	4.106	ug/l		91
89) n-Butylbenzene	13.832	91	57466	3.629	ug/l		99
90) Hexachloroethane	14.102	117	14750	4.113	ug/l		99
91) 1,2-Dichlorobenzene	13.873	146	28955	3.892	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1999	3.810	ug/l		87
93) 1,2,4-Trichlorobenzene	15.143	180	15723	3.925	ug/l		95
94) Hexachlorobutadiene	15.249	225	11709	4.626	ug/l		96
95) Naphthalene	15.385	128	25670	5.507	ug/l		97
96) 1,2,3-Trichlorobenzene	15.579	180	13329	3.778	ug/l		94

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

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