Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
Data File : VY017220.D
Acq On : 05 Feb 2024 11:15
Operator : SY/MD
Sample : VY0205SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Quant Time: Feb 06 01:11:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 02 00:56:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.807	168	136515	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	230765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	196362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	86802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	57262	46.954	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.900%			
35) Dibromofluoromethane	7.734	113	61805	49.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.200%			
50) Toluene-d8	10.197	98	234337	51.656	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.495	95	71250	47.945	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	23815	23.012	ug/l	99
3) Chloromethane	2.119	50	36120	19.429	ug/l	99
4) Vinyl Chloride	2.259	62	43039	18.997	ug/l	98
5) Bromomethane	2.656	94	29399	18.720	ug/l	94
6) Chloroethane	2.802	64	27418	18.743	ug/l	92
7) Trichlorofluoromethane	3.131	101	49512	21.253	ug/l	99
8) Diethyl Ether	3.540	74	12949	17.671	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	30670	21.718	ug/l	99
10) Methyl Iodide	4.107	142	26533	17.872	ug/l	98
11) Tert butyl alcohol	4.966	59	8057	66.380	ug/l #	91
12) 1,1-Dichloroethene	3.881	96	26683	20.165	ug/l	90
13) Acrolein	3.741	56	10202	93.634	ug/l	99
14) Allyl chloride	4.491	41	38761	19.376	ug/l	98
15) Acrylonitrile	5.174	53	28540	86.502	ug/l	99
16) Acetone	3.960	43	32853	91.656	ug/l	99
17) Carbon Disulfide	4.210	76	81423	19.276	ug/l	99
18) Methyl Acetate	4.485	43	12121	15.158	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	55586	17.442	ug/l	100
20) Methylene Chloride	4.735	84	33797	20.989	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	30518	20.273	ug/l	94
22) Diisopropyl ether	6.137	45	85994	19.575	ug/l	95
23) Vinyl Acetate	6.076	43	242963	91.275	ug/l	100
24) 1,1-Dichloroethane	6.033	63	53582	19.910	ug/l	98
25) 2-Butanone	7.002	43	41040	86.128	ug/l	96
26) 2,2-Dichloropropane	6.996	77	44494	19.877	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	33770	20.058	ug/l	98
28) Bromochloromethane	7.350	49	17489	16.972	ug/l	99
29) Tetrahydrofuran	7.368	42	21795	80.970	ug/l	99
30) Chloroform	7.521	83	54650	20.187	ug/l	100
31) Cyclohexane	7.801	56	49094	19.972	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	47433	20.369	ug/l	100
36) 1,1-Dichloropropene	7.929	75	43507	20.243	ug/l	99
37) Ethyl Acetate	7.088	43	16918	16.972	ug/l	99
38) Carbon Tetrachloride	7.917	117	41458	20.147	ug/l	92
39) Methylcyclohexane	9.197	83	50676	20.183	ug/l	99
40) Benzene	8.173	78	123996	20.203	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	10042m	21.262	ug/l		
42) 1,2-Dichloroethane	8.252	62	30351	18.677	ug/l		99
43) Isopropyl Acetate	8.289	43	29238	16.569	ug/l		98
44) Trichloroethene	8.953	130	31795	20.408	ug/l		92
45) 1,2-Dichloropropane	9.234	63	29930	19.853	ug/l		95
46) Dibromomethane	9.319	93	15043	18.472	ug/l		100
47) Bromodichloromethane	9.514	83	39381	19.323	ug/l		96
48) Methyl methacrylate	9.307	41	13721	16.577	ug/l		99
49) 1,4-Dioxane	9.313	88	2943	332.025	ug/l		93
51) 4-Methyl-2-Pentanone	10.087	43	78586	83.079	ug/l		100
52) Toluene	10.258	92	74738	20.174	ug/l		99
53) t-1,3-Dichloropropene	10.477	75	35274	18.426	ug/l		100
54) cis-1,3-Dichloropropene	9.941	75	43500	18.971	ug/l		96
55) 1,1,2-Trichloroethane	10.660	97	20977	18.933	ug/l		97
56) Ethyl methacrylate	10.526	69	22593	17.250	ug/l		96
57) 1,3-Dichloropropane	10.807	76	35548	18.654	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.795	63	58189	84.301	ug/l		99
59) 2-Hexanone	10.849	43	59870	87.530	ug/l		97
60) Dibromochloromethane	11.002	129	23866	18.361	ug/l		99
61) 1,2-Dibromoethane	11.105	107	18859	18.302	ug/l		99
64) Tetrachloroethene	10.733	164	26118	20.480	ug/l		98
65) Chlorobenzene	11.532	112	76480	20.190	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.605	131	27284	19.820	ug/l		99
67) Ethyl Benzene	11.605	91	139501	20.377	ug/l		97
68) m/p-Xylenes	11.721	106	105470	40.596	ug/l		100
69) o-Xylene	12.044	106	48449	20.250	ug/l		99
70) Styrene	12.056	104	78567	19.931	ug/l		98
71) Bromoform	12.221	173	13220	18.337	ug/l	#	96
73) Isopropylbenzene	12.343	105	131942	20.691	ug/l		99
74) N-amyl acetate	12.160	43	24240	16.918	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.599	83	23078	18.400	ug/l		96
76) 1,2,3-Trichloropropane	12.648	75	14225m	17.755	ug/l		
77) Bromobenzene	12.623	156	27558	19.483	ug/l		97
78) n-propylbenzene	12.684	91	164042	20.946	ug/l		100
79) 2-Chlorotoluene	12.770	91	88076	20.456	ug/l		100
80) 1,3,5-Trimethylbenzene	12.825	105	105427	20.788	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.392	75	6732	17.460	ug/l		97
82) 4-Chlorotoluene	12.867	91	90154	20.344	ug/l		99
83) tert-Butylbenzene	13.093	119	92831	21.354	ug/l		100
84) 1,2,4-Trimethylbenzene	13.136	105	103421	20.660	ug/l		98
85) sec-Butylbenzene	13.270	105	141843	20.876	ug/l		99
86) p-Isopropyltoluene	13.385	119	112539	20.727	ug/l		99
87) 1,3-Dichlorobenzene	13.379	146	57196	20.270	ug/l		99
88) 1,4-Dichlorobenzene	13.459	146	56527	20.620	ug/l		99
89) n-Butylbenzene	13.709	91	107674	20.858	ug/l		99
90) Hexachloroethane	13.977	117	23034	20.665	ug/l		98
91) 1,2-Dichlorobenzene	13.751	146	48103	20.025	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2703	16.545	ug/l		97
93) 1,2,4-Trichlorobenzene	15.019	180	24220	20.299	ug/l		97
94) Hexachlorobutadiene	15.129	225	15424	21.949	ug/l		100
95) Naphthalene	15.251	128	38362	18.779	ug/l		99
96) 1,2,3-Trichlorobenzene	15.440	180	19933	19.643	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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