Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123124\
Data File : VY020762.D
Acq On : 31 Dec 2024 11:46
Operator : SY/MD
Sample : VY1231SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1231SBSD01

Quant Time: Jan 01 00:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	165276	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.616	114	241891	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	207560	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	104643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	73714	54.451	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.900%			
35) Dibromofluoromethane	7.634	113	71686	53.803	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.103	98	278442	52.465	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.408	95	95317	53.831	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	24922	19.157	ug/l	89
3) Chloromethane	2.068	50	11510	23.724	ug/l	96
4) Vinyl Chloride	2.202	62	12778	21.257	ug/l	100
5) Bromomethane	2.592	94	8926	19.667	ug/l	92
6) Chloroethane	2.732	64	7929	21.988	ug/l	90
7) Trichlorofluoromethane	3.062	101	40470	17.507	ug/l	96
8) Diethyl Ether	3.452	74	12883	23.420	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	27654	21.791	ug/l	97
10) Methyl Iodide	4.007	142	29084	20.958	ug/l	89
11) Tert butyl alcohol	4.866	59	14675	166.607	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	24172	21.399	ug/l	97
13) Acrolein	3.653	56	4710	166.434	ug/l	100
14) Allyl chloride	4.378	41	33787	25.560	ug/l #	81
15) Acrylonitrile	5.061	53	27404	128.960	ug/l	98
16) Acetone	3.866	43	20612	120.020	ug/l	95
17) Carbon Disulfide	4.110	76	57729	20.834	ug/l	97
18) Methyl Acetate	4.391	43	13402	28.834	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	67681	21.497	ug/l	98
20) Methylene Chloride	4.610	84	26055	23.327	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	26283	21.593	ug/l	96
22) Diisopropyl ether	6.018	45	71098	26.459	ug/l	95
23) Vinyl Acetate	5.957	43	207175	129.081	ug/l	97
24) 1,1-Dichloroethane	5.921	63	46945	23.302	ug/l	98
25) 2-Butanone	6.896	43	34183	147.347	ug/l	89
26) 2,2-Dichloropropane	6.884	77	50559	20.504	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	32539	22.322	ug/l	99
28) Bromochloromethane	7.244	49	12078	22.670	ug/l	90
29) Tetrahydrofuran	7.262	42	21569	151.468	ug/l	93
30) Chloroform	7.421	83	54998	21.221	ug/l	100
31) Cyclohexane	7.701	56	39252	22.572	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	53981	19.431	ug/l	99
36) 1,1-Dichloropropene	7.835	75	37599	21.363	ug/l	96
37) Ethyl Acetate	6.988	43	15954	27.509	ug/l	98
38) Carbon Tetrachloride	7.817	117	51007	17.600	ug/l	96
39) Methylcyclohexane	9.109	83	46813	20.752	ug/l	99
40) Benzene	8.079	78	112129	21.983	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	7600	25.942	ug/l		93
42) 1,2-Dichloroethane	8.158	62	31720	19.394	ug/l		97
43) Isopropyl Acetate	8.195	43	31181	25.294	ug/l		98
44) Trichloroethene	8.865	130	31581	20.729	ug/l		96
45) 1,2-Dichloropropane	9.140	63	24736	23.957	ug/l	#	87
46) Dibromomethane	9.231	93	14883	20.833	ug/l		97
47) Bromodichloromethane	9.420	83	40661	20.076	ug/l		95
48) Methyl methacrylate	9.219	41	13965	24.259	ug/l		92
49) 1,4-Dioxane	9.225	88	3627	532.993	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	79964	134.394	ug/l		100
52) Toluene	10.170	92	74351	21.268	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	37376	21.011	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	43102	22.105	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	21016	23.046	ug/l		95
56) Ethyl methacrylate	10.438	69	27481	22.939	ug/l		94
57) 1,3-Dichloropropane	10.719	76	33899	22.904	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	48944	117.158	ug/l		95
59) 2-Hexanone	10.761	43	53949	137.328	ug/l		95
60) Dibromochloromethane	10.908	129	30805	20.906	ug/l		99
61) 1,2-Dibromoethane	11.011	107	19554	22.788	ug/l		98
64) Tetrachloroethene	10.646	164	28190	19.879	ug/l		96
65) Chlorobenzene	11.444	112	84999	20.914	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	31735	20.155	ug/l		96
67) Ethyl Benzene	11.517	91	147231	20.727	ug/l		99
68) m/p-Xylenes	11.627	106	113073	41.730	ug/l		97
69) o-Xylene	11.956	106	53545	20.683	ug/l		99
70) Styrene	11.969	104	91389	21.029	ug/l		97
71) Bromoform	12.133	173	19091	21.089	ug/l	#	98
73) Isopropylbenzene	12.255	105	148704	20.511	ug/l		99
74) N-amyl acetate	12.072	43	27154	26.357	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	23672	25.470	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	17200m	25.844	ug/l		
77) Bromobenzene	12.529	156	34759	20.828	ug/l		95
78) n-propylbenzene	12.597	91	172826	21.269	ug/l		98
79) 2-Chlorotoluene	12.682	91	98669	21.301	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	123344	20.420	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	8026	23.837	ug/l		93
82) 4-Chlorotoluene	12.779	91	102635	21.439	ug/l		99
83) tert-Butylbenzene	12.999	119	113990	20.208	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	122881	20.906	ug/l		99
85) sec-Butylbenzene	13.176	105	161242	21.210	ug/l		99
86) p-Isopropyltoluene	13.292	119	138585	20.455	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	67353	20.649	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	67487	20.799	ug/l		98
89) n-Butylbenzene	13.621	91	122878	21.727	ug/l		99
90) Hexachloroethane	13.883	117	26085	20.247	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	59765	21.370	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4331	24.027	ug/l		93
93) 1,2,4-Trichlorobenzene	14.925	180	37264	20.963	ug/l		98
94) Hexachlorobutadiene	15.029	225	26182	20.209	ug/l		99
95) Naphthalene	15.145	128	62921	22.100	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	30896	20.874	ug/l		98

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

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