Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121324\
Data File : VY020601.D
Acq On : 13 Dec 2024 11:47
Operator : SY/MD
Sample : VY1213SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBSD01

Quant Time: Dec 13 22:27:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	181324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	284741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	114755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	87822	47.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.240%			
35) Dibromofluoromethane	7.646	113	90697	50.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.109	98	335028	49.082	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.413	95	116480	48.791	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27600	15.605	ug/l	98
3) Chloromethane	2.074	50	29233	16.324	ug/l	99
4) Vinyl Chloride	2.208	62	24916	13.646	ug/l	94
5) Bromomethane	2.604	94	13963	13.033	ug/l	93
6) Chloroethane	2.744	64	15869	14.180	ug/l	90
7) Trichlorofluoromethane	3.068	101	58961	17.241	ug/l	98
8) Diethyl Ether	3.464	74	18091	18.671	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	39182	19.664	ug/l	98
10) Methyl Iodide	4.019	142	38974	17.424	ug/l	98
11) Tert butyl alcohol	4.872	59	16560	138.433	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	34075	18.103	ug/l	94
13) Acrolein	3.659	56	10160	90.713	ug/l	98
14) Allyl chloride	4.397	41	63823	19.011	ug/l	94
15) Acrylonitrile	5.073	53	42859	106.162	ug/l	98
16) Acetone	3.878	43	48582	105.951	ug/l	99
17) Carbon Disulfide	4.116	76	73666	13.674	ug/l	96
18) Methyl Acetate	4.397	43	21770	22.338	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	97974	20.382	ug/l	99
20) Methylene Chloride	4.628	84	40321	20.671	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	38546	18.437	ug/l	97
22) Diisopropyl ether	6.030	45	143617	21.513	ug/l	98
23) Vinyl Acetate	5.976	43	368099	104.249	ug/l	99
24) 1,1-Dichloroethane	5.927	63	80823	20.110	ug/l	98
25) 2-Butanone	6.902	43	63708	110.030	ug/l	100
26) 2,2-Dichloropropane	6.896	77	74855	19.692	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	48140	19.720	ug/l	98
28) Bromochloromethane	7.256	49	26613	17.732	ug/l	95
29) Tetrahydrofuran	7.268	42	34889	105.623	ug/l	98
30) Chloroform	7.427	83	83257	20.185	ug/l	98
31) Cyclohexane	7.713	56	63187	17.391	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	76170	19.178	ug/l	98
36) 1,1-Dichloropropene	7.841	75	55608	18.370	ug/l	99
37) Ethyl Acetate	6.994	43	25926	21.618	ug/l	99
38) Carbon Tetrachloride	7.829	117	67801	18.766	ug/l	95
39) Methylcyclohexane	9.115	83	66263	17.640	ug/l	94
40) Benzene	8.085	78	174651	19.568	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.231	41	16039	23.526	ug/l		96
42) 1,2-Dichloroethane	8.164	62	46858	19.980	ug/l		98
43) Isopropyl Acetate	8.201	43	52301	21.597	ug/l		98
44) Trichloroethene	8.871	130	43467	19.755	ug/l		100
45) 1,2-Dichloropropane	9.146	63	42270	20.239	ug/l		98
46) Dibromomethane	9.243	93	20961	20.270	ug/l		96
47) Bromodichloromethane	9.426	83	62152	20.400	ug/l		96
48) Methyl methacrylate	9.225	41	23394	20.716	ug/l		97
49) 1,4-Dioxane	9.237	88	4609	466.285	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	133227	111.398	ug/l		99
52) Toluene	10.176	92	108717	19.523	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	54914	20.076	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	66170	20.469	ug/l		94
55) 1,1,2-Trichloroethane	10.578	97	29696	21.527	ug/l		97
56) Ethyl methacrylate	10.444	69	39768	20.375	ug/l		97
57) 1,3-Dichloropropane	10.725	76	52152	21.113	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	88569	96.917	ug/l		100
59) 2-Hexanone	10.767	43	94065	109.027	ug/l		96
60) Dibromochloromethane	10.920	129	40634	21.158	ug/l		97
61) 1,2-Dibromoethane	11.017	107	25980	20.595	ug/l		97
64) Tetrachloroethene	10.652	164	37616	18.909	ug/l		98
65) Chlorobenzene	11.444	112	119775	20.297	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.523	131	42323	20.223	ug/l		99
67) Ethyl Benzene	11.523	91	218153	19.722	ug/l		100
68) m/p-Xylenes	11.633	106	160392	39.600	ug/l		99
69) o-Xylene	11.956	106	75686	19.946	ug/l		99
70) Styrene	11.974	104	128554	20.307	ug/l		100
71) Bromoform	12.139	173	22035	20.709	ug/l	#	98
73) Isopropylbenzene	12.261	105	213066	19.190	ug/l		99
74) N-amyl acetate	12.072	43	44196	20.309	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	33423	20.932	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	23612m	20.199	ug/l		
77) Bromobenzene	12.535	156	44823	19.494	ug/l		97
78) n-propylbenzene	12.602	91	257615	19.597	ug/l		99
79) 2-Chlorotoluene	12.682	91	143363	19.327	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	172315	19.366	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	11511	20.204	ug/l		94
82) 4-Chlorotoluene	12.779	91	148204	19.578	ug/l		99
83) tert-Butylbenzene	13.005	119	160049	19.896	ug/l		99
84) 1,2,4-Trimethylbenzene	13.047	105	168921	19.532	ug/l		99
85) sec-Butylbenzene	13.182	105	230308	19.977	ug/l		99
86) p-Isopropyltoluene	13.297	119	191023	20.051	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	89988	20.293	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	89285	20.567	ug/l		100
89) n-Butylbenzene	13.621	91	178414	20.192	ug/l		99
90) Hexachloroethane	13.883	117	36952	19.902	ug/l		93
91) 1,2-Dichlorobenzene	13.663	146	78019	20.747	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5092	21.065	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	43758	20.693	ug/l		99
94) Hexachlorobutadiene	15.029	225	31249	21.124	ug/l		98
95) Naphthalene	15.151	128	70945	20.733	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	37659	22.071	ug/l		99

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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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