Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
Data File : VY019393.D
Acq On : 30 Aug 2024 14:16
Operator : SY/MD
Sample : VY0830SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0830SBSD01

Quant Time: Aug 30 16:19:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 02:45:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	120275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	192724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	168810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	83302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	61095	53.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.260%			
35) Dibromofluoromethane	7.628	113	59782	49.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.120%			
50) Toluene-d8	10.103	98	213923	47.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.380%			
62) 4-Bromofluorobenzene	12.408	95	73408	50.600	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	21485	21.923	ug/l	100
3) Chloromethane	2.068	50	33404	20.951	ug/l	100
4) Vinyl Chloride	2.202	62	36568	19.990	ug/l	98
5) Bromomethane	2.586	94	27185	20.779	ug/l	96
6) Chloroethane	2.726	64	20545	18.440	ug/l	96
7) Trichlorofluoromethane	3.049	101	45983	21.235	ug/l	94
8) Diethyl Ether	3.452	74	12217	23.888	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	24929	20.279	ug/l	97
10) Methyl Iodide	3.994	142	24616	20.543	ug/l	92
11) Tert butyl alcohol	4.860	59	8131	126.639	ug/l #	76
12) 1,1-Dichloroethene	3.787	96	22869	20.398	ug/l	96
13) Acrolein	3.653	56	9103	121.573	ug/l	92
14) Allyl chloride	4.378	41	33539	21.668	ug/l	90
15) Acrylonitrile	5.043	53	26908	128.787	ug/l	98
16) Acetone	3.866	43	23283	103.909	ug/l #	80
17) Carbon Disulfide	4.098	76	66011	20.395	ug/l	99
18) Methyl Acetate	4.378	43	12154	24.570	ug/l	94
19) Methyl tert-butyl Ether	5.104	73	59487	23.274	ug/l	100
20) Methylene Chloride	4.610	84	30189	17.821	ug/l #	92
21) trans-1,2-Dichloroethene	5.110	96	26821	21.004	ug/l	91
22) Diisopropyl ether	6.006	45	75210	21.597	ug/l	91
23) Vinyl Acetate	5.951	43	222367	114.727	ug/l	96
24) 1,1-Dichloroethane	5.903	63	44881	21.327	ug/l	96
25) 2-Butanone	6.884	43	35549	118.608	ug/l	88
26) 2,2-Dichloropropane	6.884	77	35296	19.256	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	31441	21.504	ug/l	96
28) Bromochloromethane	7.238	49	19505	22.559	ug/l	92
29) Tetrahydrofuran	7.256	42	23855	132.466	ug/l	88
30) Chloroform	7.415	83	50036	21.239	ug/l	92
31) Cyclohexane	7.695	56	38524	19.885	ug/l #	93
32) 1,1,1-Trichloroethane	7.610	97	44818	20.499	ug/l	96
36) 1,1-Dichloropropene	7.829	75	35306	20.504	ug/l	96
37) Ethyl Acetate	6.982	43	16112	23.639	ug/l #	87
38) Carbon Tetrachloride	7.811	117	41352	19.704	ug/l	97
39) Methylcyclohexane	9.103	83	42829	19.396	ug/l	95
40) Benzene	8.073	78	107200	20.457	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	9122m	22.193	ug/l		
42) 1,2-Dichloroethane	8.152	62	31522	22.667	ug/l		95
43) Isopropyl Acetate	8.195	43	31979	24.041	ug/l	#	79
44) Trichloroethene	8.859	130	29220	20.302	ug/l		96
45) 1,2-Dichloropropane	9.134	63	24395	21.479	ug/l		91
46) Dibromomethane	9.225	93	14782	21.637	ug/l		98
47) Bromodichloromethane	9.420	83	38451	21.311	ug/l		99
48) Methyl methacrylate	9.219	41	14568	23.165	ug/l	#	84
49) 1,4-Dioxane	9.231	88	3371	450.374	ug/l	#	98
51) 4-Methyl-2-Pentanone	9.999	43	83717	120.190	ug/l		91
52) Toluene	10.170	92	70129	20.413	ug/l		95
53) t-1,3-Dichloropropene	10.396	75	31736	21.296	ug/l		93
54) cis-1,3-Dichloropropene	9.859	75	37455	21.226	ug/l	#	89
55) 1,1,2-Trichloroethane	10.572	97	19369	22.225	ug/l		93
56) Ethyl methacrylate	10.438	69	25110	22.179	ug/l	#	76
57) 1,3-Dichloropropane	10.719	76	33032	23.202	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	54981	108.326	ug/l		95
59) 2-Hexanone	10.761	43	56351	121.998	ug/l		92
60) Dibromochloromethane	10.914	129	26717	22.486	ug/l		98
61) 1,2-Dibromoethane	11.011	107	19050	23.727	ug/l		99
64) Tetrachloroethene	10.646	164	31826	19.303	ug/l		95
65) Chlorobenzene	11.438	112	75651	20.031	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.511	131	26937	20.569	ug/l		96
67) Ethyl Benzene	11.517	91	127774	19.351	ug/l		97
68) m/p-Xylenes	11.627	106	102464	39.220	ug/l		99
69) o-Xylene	11.950	106	47535	19.534	ug/l		98
70) Styrene	11.969	104	82785	20.790	ug/l		97
71) Bromoform	12.133	173	15818	22.723	ug/l	#	91
73) Isopropylbenzene	12.255	105	124600	18.759	ug/l		99
74) N-amyl acetate	12.072	43	26957	21.106	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.505	83	21043	21.316	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	15537m	21.238	ug/l		
77) Bromobenzene	12.529	156	30058	19.206	ug/l		98
78) n-propylbenzene	12.597	91	149443	18.621	ug/l		99
79) 2-Chlorotoluene	12.676	91	85182	19.051	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	100790	19.259	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	6738	22.787	ug/l		92
82) 4-Chlorotoluene	12.773	91	89283	19.739	ug/l		99
83) tert-Butylbenzene	12.999	119	93268	19.486	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	99836	19.870	ug/l		99
85) sec-Butylbenzene	13.176	105	132802	18.931	ug/l		98
86) p-Isopropyltoluene	13.291	119	109680	19.194	ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	56710	19.698	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	58939	20.518	ug/l		99
89) n-Butylbenzene	13.615	91	97632	18.595	ug/l		98
90) Hexachloroethane	13.877	117	21183	18.287	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	50830	20.004	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3213	23.935	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	28637	21.934	ug/l		100
94) Hexachlorobutadiene	15.023	225	16033	17.309	ug/l		93
95) Naphthalene	15.145	128	49474	23.143	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24930	22.317	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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