Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
Data File : VY019390.D
Acq On : 30 Aug 2024 12:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Aug 30 16:19:10 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	124033	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	197039	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	170526	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	71298	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.055	65	63019	53.642	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.280%				
35) Dibromofluoromethane	7.628	113	62691	50.324	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.640%				
50) Toluene-d8	10.103	98	226218	49.330	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%				
62) 4-Bromofluorobenzene	12.408	95	66240	44.659	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.320%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	43165	42.710	ug/l		95
3) Chloromethane	2.062	50	78360	47.658	ug/l		96
4) Vinyl Chloride	2.202	62	88165	46.734	ug/l		99
5) Bromomethane	2.592	94	61705	51.045	ug/l		98
6) Chloroethane	2.732	64	48937	42.592	ug/l		96
7) Trichlorofluoromethane	3.049	101	113186	50.686	ug/l		93
8) Diethyl Ether	3.452	74	29578	56.081	ug/l		91
9) 1,1,2-Trichlorotrifluo...	3.812	101	60169	47.462	ug/l		96
10) Methyl Iodide	3.994	142	65956	53.374	ug/l		94
11) Tert butyl alcohol	4.872	59	18480	279.103	ug/l	#	88
12) 1,1-Dichloroethene	3.781	96	56066	48.494	ug/l		90
13) Acrolein	3.647	56	20281	262.651	ug/l		100
14) Allyl chloride	4.379	41	82331	51.579	ug/l		91
15) Acrylonitrile	5.049	53	65000	301.677	ug/l		97
16) Acetone	3.866	43	64249	278.047	ug/l	#	85
17) Carbon Disulfide	4.098	76	164190	49.192	ug/l	#	94
18) Methyl Acetate	4.379	43	28568	56.002	ug/l		97
19) Methyl tert-butyl Ether	5.110	73	149147	56.584	ug/l		99
20) Methylene Chloride	4.610	84	66526	52.161	ug/l		92
21) trans-1,2-Dichloroethene	5.110	96	64263	48.802	ug/l		98
22) Diisopropyl ether	6.006	45	188935	52.611	ug/l		94
23) Vinyl Acetate	5.951	43	561596	280.969	ug/l		97
24) 1,1-Dichloroethane	5.909	63	111020	51.156	ug/l		99
25) 2-Butanone	6.890	43	90442	292.615	ug/l	#	85
26) 2,2-Dichloropropane	6.872	77	92161	48.755	ug/l		97
27) cis-1,2-Dichloroethene	6.884	96	75721	50.220	ug/l		96
28) Bromochloromethane	7.238	49	47683	53.477	ug/l		94
29) Tetrahydrofuran	7.256	42	54534	293.649	ug/l		91
30) Chloroform	7.415	83	124285	51.158	ug/l		95
31) Cyclohexane	7.695	56	92863	46.482	ug/l		98
32) 1,1,1-Trichloroethane	7.610	97	112678	49.976	ug/l		98
36) 1,1-Dichloropropene	7.829	75	84536	48.019	ug/l		99
37) Ethyl Acetate	6.970	43	39240	56.310	ug/l		98
38) Carbon Tetrachloride	7.811	117	103163	48.080	ug/l		100
39) Methylcyclohexane	9.103	83	111922	49.577	ug/l		93
40) Benzene	8.073	78	261864	48.877	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.207	41	21257	50.583	ug/l		91
42) 1,2-Dichloroethane	8.152	62	74073	52.097	ug/l		97
43) Isopropyl Acetate	8.195	43	78551	57.760	ug/l	#	82
44) Trichloroethene	8.859	130	71734	48.749	ug/l		97
45) 1,2-Dichloropropane	9.140	63	58493	50.374	ug/l		99
46) Dibromomethane	9.231	93	36585	52.377	ug/l		99
47) Bromodichloromethane	9.420	83	97193	52.688	ug/l		98
48) Methyl methacrylate	9.219	41	37757	58.724	ug/l		86
49) 1,4-Dioxane	9.225	88	7887	1030.648	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	208003	292.084	ug/l		91
52) Toluene	10.170	92	174730	49.747	ug/l		96
53) t-1,3-Dichloropropene	10.390	75	81443	53.454	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	96375	53.420	ug/l	#	88
55) 1,1,2-Trichloroethane	10.573	97	49254	55.280	ug/l		97
56) Ethyl methacrylate	10.438	69	64953	56.116	ug/l	#	78
57) 1,3-Dichloropropane	10.713	76	78586	53.991	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	152016	292.949	ug/l		97
59) 2-Hexanone	10.762	43	145816	308.774	ug/l		88
60) Dibromochloromethane	10.914	129	65956	54.296	ug/l		99
61) 1,2-Dibromoethane	11.011	107	46372	56.493	ug/l		99
64) Tetrachloroethene	10.646	164	76988	46.224	ug/l		99
65) Chlorobenzene	11.444	112	187925	49.257	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	68073	51.456	ug/l		96
67) Ethyl Benzene	11.517	91	337389	50.582	ug/l		97
68) m/p-Xylenes	11.627	106	287192	108.821	ug/l		99
69) o-Xylene	11.956	106	128260	52.177	ug/l		99
70) Styrene	11.969	104	220200	54.744	ug/l		98
71) Bromoform	12.133	173	39370	55.988	ug/l	#	97
73) Isopropylbenzene	12.255	105	266906	46.948	ug/l		99
74) N-amyl acetate	12.072	43	76048	69.565	ug/l		91
75) 1,1,2,2-Tetrachloroethane	12.505	83	45274	53.583	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	32756m	52.314	ug/l		
77) Bromobenzene	12.529	156	61635	46.014	ug/l		96
78) n-propylbenzene	12.597	91	316705	46.106	ug/l		99
79) 2-Chlorotoluene	12.682	91	173341	45.296	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	218089	48.688	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	14219	56.184	ug/l		94
82) 4-Chlorotoluene	12.779	91	185862	48.010	ug/l		98
83) tert-Butylbenzene	12.999	119	208573	50.912	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	229120	53.278	ug/l		99
85) sec-Butylbenzene	13.176	105	285415	47.537	ug/l		98
86) p-Isopropyltoluene	13.292	119	243567	49.801	ug/l		97
87) 1,3-Dichlorobenzene	13.285	146	123444	50.097	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	123773	50.342	ug/l		99
89) n-Butylbenzene	13.621	91	219671	48.884	ug/l		99
90) Hexachloroethane	13.883	117	50575	51.011	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	111979	51.488	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6337	53.685	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	59687	53.413	ug/l		98
94) Hexachlorobutadiene	15.023	225	32663	39.083	ug/l		99
95) Naphthalene	15.145	128	106192	58.037	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	53518	55.976	ug/l		97

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

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