Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121819\
Data File : VY000991.D
Acq On : 18 Dec 2019 11:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
12/19/2019 11:10:35 AM

Quant Time: Dec 19 05:00:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	506079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	444212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	140210	44.85	ug/l	0.00
Spiked Amount 50.000			Recovery = 89.70%			
35) Dibromofluoromethane	7.72	113	141533	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery = 95.98%			
50) Toluene-d8	10.18	98	581254	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.58%			
62) 4-Bromofluorobenzene	12.48	95	198607	44.85	ug/l	0.00
Spiked Amount 50.000			Recovery = 89.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	129694	40.952	ug/l	99
3) Chloromethane	2.12	50	166013	42.526	ug/l	99
4) Vinyl Chloride	2.25	62	174948	45.472	ug/l	100
5) Bromomethane	2.65	94	108097	46.271	ug/l	99
6) Chloroethane	2.79	64	110670	46.916	ug/l	99
7) Trichlorofluoromethane	3.13	101	252135	47.819	ug/l	97
8) Diethyl Ether	3.53	74	103110	51.957	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	166714	51.200	ug/l	99
10) Methyl Iodide	4.10	142	216955	52.921	ug/l	96
11) Tert butyl alcohol	4.97	59	74841	237.960	ug/l	99
12) 1,1-Dichloroethene	3.87	96	167209	51.836	ug/l	89
13) Acrolein	3.73	56	73537	237.358	ug/l	98
14) Allyl chloride	4.48	41	277042	50.089	ug/l	96
15) Acrylonitrile	5.17	53	267046	260.596	ug/l	98
16) Acetone	3.95	43	163553	228.067	ug/l	96
17) Carbon Disulfide	4.19	76	485599	46.545	ug/l	99
18) Methyl Acetate	4.49	43	151308	50.461	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	449496	52.177	ug/l	98
20) Methylene Chloride	4.72	84	195995	51.849	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	185986	50.727	ug/l	98
22) Diisopropyl ether	6.13	45	570172	50.156	ug/l	99
23) Vinyl Acetate	6.07	43	1729953	250.319	ug/l	96
24) 1,1-Dichloroethane	6.02	63	325243	51.910	ug/l	97
25) 2-Butanone	6.99	43	305604	230.693	ug/l	94
26) 2,2-Dichloropropane	6.99	77	272879	51.746	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	214941	54.234	ug/l	97
28) Bromochloromethane	7.34	49	120246	52.248	ug/l	99
29) Tetrahydrofuran	7.35	42	216574	246.715	ug/l	98
30) Chloroform	7.52	83	312928	49.786	ug/l	97
31) Cyclohexane	7.79	56	317771	47.875	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	268687	51.768	ug/l	98
36) 1,1-Dichloropropene	7.93	75	261963	52.060	ug/l	99
37) Ethyl Acetate	7.08	43	140145	48.234	ug/l	99
38) Carbon Tetrachloride	7.90	117	230904	51.526	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	9.18	83	340924	51.138	ug/l		99
40) Benzene	8.16	78	777156	53.022	ug/l		97
41) Methacrylonitrile	7.33	41	86900m	56.747	ug/l		
42) 1,2-Dichloroethane	8.24	62	192092	49.833	ug/l		99
43) Isopropyl Acetate	8.28	43	266420	48.658	ug/l		97
44) Trichloroethene	8.94	130	202873	53.857	ug/l		96
45) 1,2-Dichloropropane	9.22	63	197121	53.542	ug/l		94
46) Dibromomethane	9.31	93	102552	53.312	ug/l		99
47) Bromodichloromethane	9.50	83	242433	53.649	ug/l		98
48) Methyl methacrylate	9.30	41	115942	48.154	ug/l		91
49) 1,4-Dioxane	9.30	88	27472	1007.915	ug/l		93
51) 4-Methyl-2-Pentanone	10.07	43	710049	250.990	ug/l		98
52) Toluene	10.24	92	483241	53.249	ug/l		100
53) t-1,3-Dichloropropene	10.47	75	262836	54.138	ug/l		97
54) cis-1,3-Dichloropropene	9.93	75	312286	54.419	ug/l		95
55) 1,1,2-Trichloroethane	10.64	97	152220	53.560	ug/l		96
56) Ethyl methacrylate	10.51	69	217645	53.533	ug/l		97
57) 1,3-Dichloropropane	10.79	76	268550	54.216	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.78	63	379831	231.702	ug/l		99
59) 2-Hexanone	10.83	43	493681	239.485	ug/l		98
60) Dibromochloromethane	10.99	129	163900	53.571	ug/l		99
61) 1,2-Dibromoethane	11.08	107	145149	54.192	ug/l		99
64) Tetrachloroethene	10.72	164	207628	53.798	ug/l		95
65) Chlorobenzene	11.52	112	499284	54.072	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.59	131	173861	55.872	ug/l		98
67) Ethyl Benzene	11.59	91	928221	53.977	ug/l		98
68) m/p-Xylenes	11.70	106	695764	107.793	ug/l		98
69) o-Xylene	12.03	106	336121	55.850	ug/l		94
70) Styrene	12.04	104	558712	54.217	ug/l		99
71) Bromoform	12.20	173	97879	55.771	ug/l	#	97
73) Isopropylbenzene	12.33	105	884097	54.344	ug/l		99
74) N-amyl acetate	12.14	43	222682	49.178	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.58	83	170462	53.178	ug/l		99
76) 1,2,3-Trichloropropane	12.63	75	117281m	50.663	ug/l		
77) Bromobenzene	12.61	156	194263	55.088	ug/l		96
78) n-propylbenzene	12.67	91	1080591	54.399	ug/l		99
79) 2-Chlorotoluene	12.75	91	581663	53.004	ug/l		98
80) 1,3,5-Trimethylbenzene	12.81	105	722793	53.660	ug/l		99
81) trans-1,4-Dichloro-2-buten	12.38	75	65260	55.375	ug/l		97
82) 4-Chlorotoluene	12.85	91	607082	53.696	ug/l		100
83) tert-Butylbenzene	13.07	119	616433	54.432	ug/l		100
84) 1,2,4-Trimethylbenzene	13.12	105	713191	52.922	ug/l		98
85) sec-Butylbenzene	13.25	105	892436	54.185	ug/l		100
86) p-Isopropyltoluene	13.37	119	771396	53.848	ug/l		99
87) 1,3-Dichlorobenzene	13.36	146	371254	53.666	ug/l		99
88) 1,4-Dichlorobenzene	13.44	146	367229	53.613	ug/l		99
89) n-Butylbenzene	13.69	91	786030	54.270	ug/l		99
90) Hexachloroethane	13.96	117	142866	54.138	ug/l		100
91) 1,2-Dichlorobenzene	13.74	146	334193	53.707	ug/l		99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26621	49.606	ug/l		96

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12/19/2019 11:10:35 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	220655	52.405	ug/l	99
94) Hexachlorobutadiene	15.11	225	112904	54.083	ug/l	99
95) Naphthalene	15.23	128	515126	52.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	199208	52.967	ug/l	98

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

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