

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121219\
 Data File : VY000927.D
 Acq On : 12 Dec 2019 11:11
 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

apatel
 12/13/2019 10:33:39 AM

Quant Time: Dec 13 08:38:53 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	300553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517450	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	466775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	141559	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
35) Dibromofluoromethane	7.72	113	143062	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	10.17	98	593107	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.47	95	204375	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	131419	40.620	ug/l	94
3) Chloromethane	2.12	50	171488	43.000	ug/l	100
4) Vinyl Chloride	2.25	62	175104	44.550	ug/l	98
5) Bromomethane	2.64	94	111062	46.569	ug/l	97
6) Chloroethane	2.79	64	109520	45.447	ug/l	96
7) Trichlorofluoromethane	3.12	101	251671	46.722	ug/l	91
8) Diethyl Ether	3.53	74	97726	48.203	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	162513	48.855	ug/l	98
10) Methyl Iodide	4.09	142	209304	49.976	ug/l	98
11) Tert butyl alcohol	4.96	59	78234	243.489	ug/l	98
12) 1,1-Dichloroethene	3.87	96	162373	49.272	ug/l	97
13) Acrolein	3.73	56	73193	231.254	ug/l	99
14) Allyl chloride	4.48	41	276211	48.883	ug/l	97
15) Acrylonitrile	5.17	53	262319	250.571	ug/l	98
16) Acetone	3.95	43	149826	204.509	ug/l	98
17) Carbon Disulfide	4.19	76	492786	46.236	ug/l	100
18) Methyl Acetate	4.47	43	144265	47.095	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	437244	49.682	ug/l	98
20) Methylene Chloride	4.71	84	202388	52.408	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	181775	48.530	ug/l	100
22) Diisopropyl ether	6.12	45	569851	49.068	ug/l	98
23) Vinyl Acetate	6.07	43	1736499	245.954	ug/l	97
24) 1,1-Dichloroethane	6.02	63	320089	50.007	ug/l	99
25) 2-Butanone	6.99	43	311178	229.934	ug/l	95
26) 2,2-Dichloropropane	6.98	77	265838	49.345	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	206017	50.883	ug/l	98
28) Bromochloromethane	7.33	49	133767	56.715	ug/l	98
29) Tetrahydrofuran	7.35	42	219317	244.557	ug/l	99
30) Chloroform	7.51	83	335462	52.243	ug/l	96
31) Cyclohexane	7.78	56	315237	46.490	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	261802	49.375	ug/l	99
36) 1,1-Dichloropropene	7.92	75	249729	48.538	ug/l	100
37) Ethyl Acetate	7.07	43	140698	47.360	ug/l	99
38) Carbon Tetrachloride	7.91	117	231812	50.592	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	332039	48.711	ug/l	98
40) Benzene	8.16	78	755122	50.387	ug/l	98
41) Methacrylonitrile	7.32	41	67666m	43.216	ug/l	
42) 1,2-Dichloroethane	8.24	62	187074	47.465	ug/l	98
43) Isopropyl Acetate	8.27	43	267651	47.808	ug/l	98
44) Trichloroethene	8.94	130	193001	50.111	ug/l	98
45) 1,2-Dichloropropane	9.22	63	188083	49.964	ug/l #	88
46) Dibromomethane	9.30	93	98424	50.041	ug/l	99
47) Bromodichloromethane	9.50	83	240043	51.952	ug/l	97
48) Methyl methacrylate	9.29	41	119052	48.360	ug/l	95
49) 1,4-Dioxane	9.29	88	28015	1005.250	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	715945	247.512	ug/l	100
52) Toluene	10.24	92	463434	49.944	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	257126	51.798	ug/l	98
54) cis-1,3-Dichloropropene	9.92	75	298654	50.900	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	146391	50.377	ug/l	97
56) Ethyl methacrylate	10.50	69	216574	52.099	ug/l	97
57) 1,3-Dichloropropane	10.78	76	255814	50.510	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	401961	239.814	ug/l	99
59) 2-Hexanone	10.83	43	532595	252.685	ug/l	100
60) Dibromochloromethane	10.98	129	161991	51.784	ug/l	100
61) 1,2-Dibromoethane	11.08	107	138219	50.470	ug/l	99
64) Tetrachloroethene	10.72	164	195880	48.300	ug/l	96
65) Chlorobenzene	11.51	112	482579	49.737	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.58	131	168396	51.500	ug/l	99
67) Ethyl Benzene	11.59	91	891390	49.330	ug/l	96
68) m/p-Xylenes	11.70	106	673293	99.270	ug/l	100
69) o-Xylene	12.02	106	313108	49.511	ug/l	99
70) Styrene	12.04	104	552725	51.044	ug/l	98
71) Bromoform	12.20	173	96216	52.173	ug/l #	98
73) Isopropylbenzene	12.33	105	851827	49.327	ug/l	99
74) N-amyl acetate	12.14	43	229827	47.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	172127	50.587	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	130173m	52.974	ug/l	
77) Bromobenzene	12.60	156	188401	50.330	ug/l	99
78) n-propylbenzene	12.67	91	1050263	49.809	ug/l	99
79) 2-Chlorotoluene	12.75	91	570324	48.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	707893	49.509	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65611	52.447	ug/l	96
82) 4-Chlorotoluene	12.85	91	593660	49.466	ug/l	100
83) tert-Butylbenzene	13.07	119	597200	49.679	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	703656	49.189	ug/l	98
85) sec-Butylbenzene	13.25	105	864847	49.468	ug/l	100
86) p-Isopropyltoluene	13.36	119	762001	50.111	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	365713	49.803	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	368289	50.652	ug/l	99
89) n-Butylbenzene	13.69	91	772108	50.220	ug/l	99
90) Hexachloroethane	13.95	117	143201	51.121	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	332190	50.292	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	28102	49.332	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	228858	51.204	ug/l	98
94) Hexachlorobutadiene	15.11	225	112286	50.671	ug/l	98
95) Naphthalene	15.23	128	520632	50.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	203537	50.982	ug/l	97

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

