

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110619\
 Data File : VY000540.D
 Acq On : 06 Nov 2019 10:37
 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
 11/8/2019 10:39:04 AM

Quant Time: Nov 07 05:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	257021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	427985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	383340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	192863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	138986	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.73	113	127302	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.18	98	517268	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
62) 4-Bromofluorobenzene	12.48	95	189482	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	121227	47.914	ug/l	98
3) Chloromethane	2.12	50	168237	48.270	ug/l	98
4) Vinyl Chloride	2.25	62	153952	47.566	ug/l	98
5) Bromomethane	2.65	94	109476	56.406	ug/l	100
6) Chloroethane	2.79	64	95647	47.218	ug/l	96
7) Trichlorofluoromethane	3.13	101	209557	47.943	ug/l	100
8) Diethyl Ether	3.54	74	73232	47.152	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	125652	47.550	ug/l	97
10) Methyl Iodide	4.09	142	115051	34.160	ug/l	99
11) Tert butyl alcohol	4.97	59	56044	216.454	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	124095	48.336	ug/l	95
13) Acrolein	3.74	56	65598	290.859	ug/l	100
14) Allyl chloride	4.49	41	206825	49.543	ug/l	99
15) Acrylonitrile	5.18	53	187167	235.251	ug/l	99
16) Acetone	3.96	43	198139	270.283	ug/l	97
17) Carbon Disulfide	4.19	76	386027	47.672	ug/l	98
18) Methyl Acetate	4.49	43	107619	47.214	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	341667	47.864	ug/l	98
20) Methylene Chloride	4.72	84	136179	43.353	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	138790	47.818	ug/l	97
22) Diisopropyl ether	6.13	45	451585	49.768	ug/l	91
23) Vinyl Acetate	6.07	43	1404285	245.166	ug/l	99
24) 1,1-Dichloroethane	6.03	63	237720	48.359	ug/l	99
25) 2-Butanone	7.00	43	299991	256.414	ug/l	96
26) 2,2-Dichloropropane	6.99	77	219571	48.877	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	151653	47.783	ug/l	99
28) Bromochloromethane	7.35	49	118960	52.812	ug/l	95
29) Tetrahydrofuran	7.36	42	170955	238.854	ug/l	98
30) Chloroform	7.52	83	238810	48.024	ug/l	96
31) Cyclohexane	7.79	56	236915	46.016	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	217457	49.067	ug/l	99
36) 1,1-Dichloropropene	7.93	75	197701	48.864	ug/l	98
37) Ethyl Acetate	7.08	43	109855	45.733	ug/l	97
38) Carbon Tetrachloride	7.91	117	193836	49.789	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	253313	48.462	ug/l	100
40) Benzene	8.17	78	560115	47.220	ug/l	99
41) Methacrylonitrile	7.33	41	61139m	45.625	ug/l	
42) 1,2-Dichloroethane	8.25	62	161798	48.092	ug/l	100
43) Isopropyl Acetate	8.28	43	216478	47.974	ug/l	99
44) Trichloroethene	8.94	130	150403	48.090	ug/l	92
45) 1,2-Dichloropropane	9.22	63	142338	48.756	ug/l	93
46) Dibromomethane	9.31	93	75735	47.170	ug/l	99
47) Bromodichloromethane	9.50	83	187385	49.186	ug/l	97
48) Methyl methacrylate	9.30	41	96889	49.143	ug/l	98
49) 1,4-Dioxane	9.31	88	20158	932.872	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	585322	243.975	ug/l	99
52) Toluene	10.25	92	361836	48.248	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	204491	50.236	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	228654	49.032	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	110156	47.435	ug/l	99
56) Ethyl methacrylate	10.51	69	166683	50.642	ug/l	99
57) 1,3-Dichloropropane	10.79	76	197874	48.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	364355	244.860	ug/l	99
59) 2-Hexanone	10.83	43	456546	261.185	ug/l	98
60) Dibromochloromethane	10.99	129	130218	48.955	ug/l	98
61) 1,2-Dibromoethane	11.09	107	107896	48.322	ug/l	99
64) Tetrachloroethene	10.72	164	145870	46.019	ug/l	98
65) Chlorobenzene	11.52	112	378358	48.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	136877	50.780	ug/l	98
67) Ethyl Benzene	11.60	91	704709	49.266	ug/l	99
68) m/p-Xylenes	11.70	106	538414	97.252	ug/l	98
69) o-Xylene	12.03	106	259029	49.783	ug/l	96
70) Styrene	12.05	104	437551	49.110	ug/l	100
71) Bromoform	12.21	173	75983	49.010	ug/l #	98
73) Isopropylbenzene	12.33	105	698146	48.979	ug/l	100
74) N-amyl acetate	12.14	43	207435	50.813	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	138137	48.945	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	101040m	46.011	ug/l	
77) Bromobenzene	12.61	156	154898	47.921	ug/l	99
78) n-propylbenzene	12.67	91	838866	48.775	ug/l	100
79) 2-Chlorotoluene	12.75	91	458398	48.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	589065	49.620	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	48650	49.672	ug/l	98
82) 4-Chlorotoluene	12.85	91	495729	50.087	ug/l	97
83) tert-Butylbenzene	13.08	119	492092	48.547	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	580116	49.079	ug/l	99
85) sec-Butylbenzene	13.25	105	716215	49.595	ug/l	100
86) p-Isopropyltoluene	13.37	119	635615	49.384	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	300431	47.452	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	305830	48.340	ug/l	99
89) n-Butylbenzene	13.70	91	622389	49.028	ug/l	99
90) Hexachloroethane	13.96	117	116705	49.047	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	272970	47.519	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23911	47.871	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	188633	48.227	ug/l	98
94) Hexachlorobutadiene	15.11	225	93263	46.256	ug/l	98
95) Naphthalene	15.23	128	416630	47.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	164649	46.921	ug/l	98

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

