

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000005.D
 Acq On : 11 Sep 2019 17:39
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:31 PM

Quant Time: Sep 12 09:06:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	156778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	289794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	249912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	109818	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	83580	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.72	113	82683	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.18	98	361751	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.48	95	119738	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	52273	59.212	ug/l	100
3) Chloromethane	2.11	50	75304	67.606	ug/l	100
4) Vinyl Chloride	2.25	62	85330	63.814	ug/l	100
5) Bromomethane	2.63	94	49547	67.690	ug/l	100
6) Chloroethane	2.78	64	56088	69.104	ug/l	100
7) Trichlorofluoromethane	3.12	101	105736	98.635	ug/l	100
8) Diethyl Ether	3.53	74	42561	56.762	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	72958	53.122	ug/l	100
10) Methyl Iodide	4.08	142	88329	51.439	ug/l	100
11) Tert butyl alcohol	4.96	59	45931	324.533	ug/l	100
12) 1,1-Dichloroethene	3.86	96	68813	52.786	ug/l	100
13) Acrolein	3.73	56	30596	217.784	ug/l	100
14) Allyl chloride	4.48	41	108443	42.177	ug/l	100
15) Acrylonitrile	5.17	53	136161	306.805	ug/l	100
16) Acetone	3.95	43	106559	230.848	ug/l	100
17) Carbon Disulfide	4.19	76	137343	50.179	ug/l	100
18) Methyl Acetate	4.48	43	59445	52.549	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	200768	72.489	ug/l	100
20) Methylene Chloride	4.71	84	81493	53.661	ug/l	100
21) trans-1,2-Dichloroethene	5.21	96	74115	55.473	ug/l	100
22) Diisopropyl ether	6.12	45	232995	45.452	ug/l	100
23) Vinyl Acetate	6.06	43	789178	240.843	ug/l	100
24) 1,1-Dichloroethane	6.02	63	136286	48.623	ug/l	100
25) 2-Butanone	6.99	43	170038	269.389	ug/l	100
26) 2,2-Dichloropropane	6.98	77	117664	62.860	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	96009	60.875	ug/l	100
28) Bromochloromethane	7.34	49	66842	51.181	ug/l	100
29) Tetrahydrofuran	7.35	42	104464	269.375	ug/l	100
30) Chloroform	7.51	83	142249	50.585	ug/l	100
31) Cyclohexane	7.78	56	108860	43.227	ug/l	100
32) 1,1,1-Trichloroethane	7.70	97	117140	51.407	ug/l	100
36) 1,1-Dichloropropene	7.92	75	99617	40.592	ug/l	100
37) Ethyl Acetate	7.08	43	66661	42.192	ug/l	100
38) Carbon Tetrachloride	7.90	117	97421	40.419	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	124821	44.470	ug/l	100
40) Benzene	8.16	78	330607	47.329	ug/l	100
41) Methacrylonitrile	7.32	41	34511	37.278	ug/l	100
42) 1,2-Dichloroethane	8.24	62	81932	34.825	ug/l	100
43) Isopropyl Acetate	8.28	43	127478	42.668	ug/l	100
44) Trichloroethene	8.94	130	84154	46.647	ug/l	100
45) 1,2-Dichloropropane	9.21	63	83158	43.247	ug/l	100
46) Dibromomethane	9.31	93	44226	47.792	ug/l	100
47) Bromodichloromethane	9.49	83	111984	44.878	ug/l	100
48) Methyl methacrylate	9.29	41	57419	40.297	ug/l	100
49) 1,4-Dioxane	9.30	88	19159	1021.584	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	358889	226.767	ug/l	100
52) Toluene	10.24	92	208097	47.637	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	119025	46.122	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	136681	46.703	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	71326	51.071	ug/l	100
56) Ethyl methacrylate	10.51	69	102385	50.260	ug/l	100
57) 1,3-Dichloropropane	10.79	76	118528	46.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	281550	258.268	ug/l	100
59) 2-Hexanone	10.83	43	258753	223.819	ug/l	100
60) Dibromochloromethane	10.98	129	76336	47.241	ug/l	100
61) 1,2-Dibromoethane	11.09	107	67159	52.285	ug/l	100
64) Tetrachloroethene	10.71	164	70332	47.209	ug/l	100
65) Chlorobenzene	11.51	112	226971	48.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	76630	45.047	ug/l	100
67) Ethyl Benzene	11.59	91	411969	47.550	ug/l	100
68) m/p-Xylenes	11.70	106	312260	98.348	ug/l	100
69) o-Xylene	12.02	106	153835	51.427	ug/l	100
70) Styrene	12.04	104	266301	50.622	ug/l	100
71) Bromoform	12.20	173	46602	48.572	ug/l #	100
73) Isopropylbenzene	12.32	105	399375	51.061	ug/l	100
74) N-amyl acetate	12.14	43	112446	46.221	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	91689	56.497	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	66226m	57.106	ug/l	
77) Bromobenzene	12.60	156	84687	48.086	ug/l	100
78) n-propylbenzene	12.66	91	493968	52.487	ug/l	100
79) 2-Chlorotoluene	12.75	91	272878	50.801	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	336475	51.144	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	36270	64.888	ug/l	100
82) 4-Chlorotoluene	12.85	91	283083	49.823	ug/l	100
83) tert-Butylbenzene	13.07	119	283181	48.943	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	334678	50.303	ug/l	100
85) sec-Butylbenzene	13.25	105	423801	52.200	ug/l	100
86) p-Isopropyltoluene	13.37	119	359507	49.124	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	172158	49.455	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	169260	48.962	ug/l	100
89) n-Butylbenzene	13.69	91	365147	50.912	ug/l	100
90) Hexachloroethane	13.95	117	71328	54.553	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	155285	49.413	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	16980	56.755	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	94893	44.749	ug/l	100
94) Hexachlorobutadiene	15.10	225	46869	33.310	ug/l	100
95) Naphthalene	15.23	128	266094	62.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.41	180	90334	47.881	ug/l	100

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

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