

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000031.D
 Acq On : 12 Sep 2019 18:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:54:02 PM

Quant Time: Sep 19 11:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:53:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	131362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	251363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	220969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	96092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	70003	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.72	113	68436	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	10.18	98	288527	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.48	95	98737	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40956	42.279	ug/l	99
3) Chloromethane	2.11	50	55266	44.860	ug/l	99
4) Vinyl Chloride	2.25	62	65937	44.887	ug/l	98
5) Bromomethane	2.63	94	44659	49.542	ug/l	94
6) Chloroethane	2.78	64	46638	47.690	ug/l	94
7) Trichlorofluoromethane	3.12	101	86159	45.139	ug/l	97
8) Diethyl Ether	3.53	74	38080	48.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	62366	48.013	ug/l	98
10) Methyl Iodide	4.08	142	68430	48.176	ug/l	100
11) Tert butyl alcohol	4.97	59	41222	229.137	ug/l	98
12) 1,1-Dichloroethene	3.87	96	54857	45.315	ug/l	95
13) Acrolein	3.73	56	27869	235.586	ug/l	94
14) Allyl chloride	4.48	41	88691	47.186	ug/l	97
15) Acrylonitrile	5.17	53	118397	237.886	ug/l	98
16) Acetone	3.95	43	87272	222.417	ug/l	99
17) Carbon Disulfide	4.19	76	102600	46.011	ug/l #	94
18) Methyl Acetate	4.49	43	50323	45.580	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	179332	48.909	ug/l	98
20) Methylene Chloride	4.71	84	70943	50.928	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	60943	45.465	ug/l	95
22) Diisopropyl ether	6.12	45	201763	48.625	ug/l	95
23) Vinyl Acetate	6.06	43	688902	239.999	ug/l	98
24) 1,1-Dichloroethane	6.01	63	116873	47.531	ug/l	97
25) 2-Butanone	6.99	43	147969	232.023	ug/l	98
26) 2,2-Dichloropropane	6.98	77	101087	44.254	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	78423	46.372	ug/l	96
28) Bromochloromethane	7.33	49	60706	53.758	ug/l	98
29) Tetrahydrofuran	7.35	42	89202	235.133	ug/l	99
30) Chloroform	7.51	83	119938	47.301	ug/l	97
31) Cyclohexane	7.78	56	86414	47.613	ug/l	99
32) 1,1,1-Trichloroethane	7.70	97	97602	46.924	ug/l	99
36) 1,1-Dichloropropene	7.92	75	82371	44.632	ug/l	99
37) Ethyl Acetate	7.08	43	58515	47.018	ug/l	97
38) Carbon Tetrachloride	7.90	117	79106	45.410	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	99737	43.741	ug/l	95
40) Benzene	8.16	78	279892	46.582	ug/l	95
41) Methacrylonitrile	7.32	41	34725	47.958	ug/l #	91
42) 1,2-Dichloroethane	8.24	62	74049	48.224	ug/l	99
43) Isopropyl Acetate	8.28	43	112074	46.472	ug/l	99
44) Trichloroethene	8.94	130	71043	47.354	ug/l	97
45) 1,2-Dichloropropane	9.21	63	73133	47.203	ug/l	97
46) Dibromomethane	9.31	93	39795	46.281	ug/l	98
47) Bromodichloromethane	9.49	83	96987	47.251	ug/l #	98
48) Methyl methacrylate	9.29	41	48163	45.258	ug/l	96
49) 1,4-Dioxane	9.29	88	15306	849.986	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	312973	231.601	ug/l	100
52) Toluene	10.24	92	176661	46.790	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	101773	47.158	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	117081	46.623	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	62458	45.837	ug/l	92
56) Ethyl methacrylate	10.51	69	93021	48.643	ug/l	97
57) 1,3-Dichloropropane	10.79	76	105569	48.445	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	253291	241.803	ug/l	98
59) 2-Hexanone	10.83	43	225491	231.554	ug/l	98
60) Dibromochloromethane	10.98	129	67298	46.873	ug/l	99
61) 1,2-Dibromoethane	11.09	107	57424	47.714	ug/l	98
64) Tetrachloroethene	10.71	164	59867	44.181	ug/l	96
65) Chlorobenzene	11.51	112	196532	46.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	67148	46.026	ug/l	97
67) Ethyl Benzene	11.59	91	343269	44.876	ug/l	95
68) m/p-Xylenes	11.70	106	266830	92.441	ug/l	98
69) o-Xylene	12.02	106	131506	46.485	ug/l	95
70) Styrene	12.04	104	228090	46.348	ug/l	98
71) Bromoform	12.20	173	40347	45.802	ug/l #	98
73) Isopropylbenzene	12.32	105	342829	46.693	ug/l	100
74) N-amyl acetate	12.14	43	102996	47.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	82809	47.173	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	46591m	34.908	ug/l	
77) Bromobenzene	12.60	156	74908	48.230	ug/l	98
78) n-propylbenzene	12.66	91	419504	46.753	ug/l	99
79) 2-Chlorotoluene	12.75	91	233265	46.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	286738	46.773	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	30887	45.903	ug/l	97
82) 4-Chlorotoluene	12.85	91	241705	45.901	ug/l	99
83) tert-Butylbenzene	13.07	119	250688	47.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	284728	47.018	ug/l	99
85) sec-Butylbenzene	13.25	105	362696	46.656	ug/l	99
86) p-Isopropyltoluene	13.37	119	306455	46.471	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	148131	47.389	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	145693	46.317	ug/l	97
89) n-Butylbenzene	13.69	91	312168	46.714	ug/l	98
90) Hexachloroethane	13.95	117	62468	47.402	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	137941	47.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	14128	46.237	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	87211	46.983	ug/l	100
94) Hexachlorobutadiene	15.10	225	39269	46.124	ug/l	97
95) Naphthalene	15.23	128	234226	46.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	77236	46.351	ug/l	97

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

