

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071320\
 Data File : VY003177.D
 Acq On : 13 Jul 2020 10:06
 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
 7/14/2020 11:37:14 AM

Quant Time: Jul 14 04:01:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	561736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	808230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	734709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	381502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	219910	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	7.72	113	216467	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.18	98	789843	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
62) 4-Bromofluorobenzene	12.49	95	285215	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	179185	44.505	ug/l	99
3) Chloromethane	2.12	50	271204	48.563	ug/l	98
4) Vinyl Chloride	2.26	62	269556	47.044	ug/l	98
5) Bromomethane	2.65	94	193864	45.551	ug/l	97
6) Chloroethane	2.80	64	176728	46.959	ug/l	95
7) Trichlorofluoromethane	3.13	101	394780	48.245	ug/l	100
8) Diethyl Ether	3.54	74	131628	48.004	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	240862	48.737	ug/l	99
10) Methyl Iodide	4.10	142	261751	48.751	ug/l	99
11) Tert butyl alcohol	4.97	59	113761	221.895	ug/l	99
12) 1,1-Dichloroethene	3.88	96	229717	49.144	ug/l	100
13) Acrolein	3.74	56	140783	316.372	ug/l	99
14) Allyl chloride	4.49	41	352351	50.800	ug/l	100
15) Acrylonitrile	5.17	53	322000	244.465	ug/l	100
16) Acetone	3.95	43	279971	264.360	ug/l	97
17) Carbon Disulfide	4.20	76	713759	49.761	ug/l	99
18) Methyl Acetate	4.48	43	143346	48.739	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	648113	49.476	ug/l	98
20) Methylene Chloride	4.72	84	248364	46.192	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	259666	49.114	ug/l	94
22) Diisopropyl ether	6.13	45	775968	50.408	ug/l	98
23) Vinyl Acetate	6.07	43	2588351	252.271	ug/l	99
24) 1,1-Dichloroethane	6.03	63	443924	49.777	ug/l	100
25) 2-Butanone	6.99	43	427501	245.850	ug/l	99
26) 2,2-Dichloropropane	6.99	77	415669	51.754	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	290932	49.979	ug/l	99
28) Bromochloromethane	7.34	49	185931	48.154	ug/l	100
29) Tetrahydrofuran	7.35	42	281356	240.858	ug/l	99
30) Chloroform	7.51	83	454581	49.490	ug/l	99
31) Cyclohexane	7.79	56	417704	48.436	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	413931	50.058	ug/l	99
36) 1,1-Dichloropropene	7.92	75	364935	49.819	ug/l	100
37) Ethyl Acetate	7.08	43	197470	50.058	ug/l	98
38) Carbon Tetrachloride	7.91	117	382214	50.542	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	456881	49.650	ug/l	98
40) Benzene	8.16	78	1002837	49.719	ug/l	98
41) Methacrylonitrile	7.33	41	124726m	52.497	ug/l	
42) 1,2-Dichloroethane	8.24	62	305886	49.261	ug/l	99
43) Isopropyl Acetate	8.28	43	374881	49.095	ug/l	99
44) Trichloroethene	8.94	130	306245	49.529	ug/l	94
45) 1,2-Dichloropropane	9.22	63	257285	49.297	ug/l	100
46) Dibromomethane	9.31	93	150680	49.431	ug/l	98
47) Bromodichloromethane	9.50	83	364268	50.245	ug/l	99
48) Methyl methacrylate	9.29	41	171967	50.376	ug/l	99
49) 1,4-Dioxane	9.30	88	37507	969.488	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	980479	247.043	ug/l	100
52) Toluene	10.24	92	643425	49.909	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	385544	51.328	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	438620	50.681	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	211614	48.991	ug/l	99
56) Ethyl methacrylate	10.51	69	299798	51.051	ug/l	98
57) 1,3-Dichloropropane	10.79	76	360407	49.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	706315	235.833	ug/l	100
59) 2-Hexanone	10.83	43	698213	252.012	ug/l	100
60) Dibromochloromethane	10.99	129	271983	50.062	ug/l	100
61) 1,2-Dibromoethane	11.09	107	208017	48.794	ug/l	99
64) Tetrachloroethene	10.72	164	318538	48.625	ug/l	99
65) Chlorobenzene	11.52	112	712114	50.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	275128	50.049	ug/l	99
67) Ethyl Benzene	11.60	91	1277738	50.560	ug/l	98
68) m/p-Xylenes	11.70	106	970272	101.189	ug/l	100
69) o-Xylene	12.03	106	454321	50.717	ug/l	100
70) Styrene	12.05	104	776685	50.684	ug/l	99
71) Bromoform	12.21	173	183814	50.946	ug/l	99
73) Isopropylbenzene	12.33	105	1250454	51.434	ug/l	99
74) N-amyl acetate	12.14	43	355184	52.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	239947	51.102	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	184090m	54.514	ug/l	
77) Bromobenzene	12.61	156	317772	51.277	ug/l	99
78) n-propylbenzene	12.67	91	1485905	51.850	ug/l	100
79) 2-Chlorotoluene	12.76	91	824542	51.569	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1035997	51.128	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	91799	52.905	ug/l #	74
82) 4-Chlorotoluene	12.86	91	865162	51.841	ug/l	99
83) tert-Butylbenzene	13.08	119	928491	51.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1046326	51.321	ug/l	99
85) sec-Butylbenzene	13.25	105	1271753	51.752	ug/l	100
86) p-Isopropyltoluene	13.37	119	1191318	51.921	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	595875	50.846	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	587559	50.640	ug/l	100
89) n-Butylbenzene	13.70	91	1122835	52.026	ug/l	100
90) Hexachloroethane	13.96	117	222969	53.361	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	518485	50.415	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	35963	47.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	368410	50.354	ug/l	100
94) Hexachlorobutadiene	15.11	225	251350	50.137	ug/l	98
95) Naphthalene	15.23	128	578379	47.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	275067	47.560	ug/l	98

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

