

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001524.D
 Acq On : 06 Feb 2020 11:44
 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
 2/7/2020 4:50:41 PM

Quant Time: Feb 07 04:13:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	232414	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	408763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	366250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	176374	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	116730	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.75	113	108733	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	10.20	98	440310	49.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.49	95	165170	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	91634	40.278	ug/l	98
3) Chloromethane	2.13	50	118163	49.694	ug/l	96
4) Vinyl Chloride	2.27	62	125301	50.750	ug/l	98
5) Bromomethane	2.67	94	80903	52.103	ug/l	100
6) Chloroethane	2.82	64	76345	51.299	ug/l	98
7) Trichlorofluoromethane	3.15	101	161645	39.553	ug/l	97
8) Diethyl Ether	3.56	74	60566	43.917	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	102130	41.534	ug/l	99
10) Methyl Iodide	4.13	142	129988	41.487	ug/l	98
11) Tert butyl alcohol	5.00	59	57308	212.740	ug/l	99
12) 1,1-Dichloroethene	3.91	96	103335	42.289	ug/l	98
13) Acrolein	3.76	56	61472	277.428	ug/l	99
14) Allyl chloride	4.52	41	180826	48.375	ug/l	97
15) Acrylonitrile	5.21	53	160495	253.855	ug/l	99
16) Acetone	3.98	43	174499	257.795	ug/l	93
17) Carbon Disulfide	4.23	76	341329	43.879	ug/l	100
18) Methyl Acetate	4.52	43	72326	50.071	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	285328	43.908	ug/l	96
20) Methylene Chloride	4.75	84	117986	43.944	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	118640	43.675	ug/l	94
22) Diisopropyl ether	6.16	45	369912	49.949	ug/l	95
23) Vinyl Acetate	6.10	43	1244371	263.946	ug/l	96
24) 1,1-Dichloroethane	6.06	63	201953	45.336	ug/l	98
25) 2-Butanone	7.02	43	237727	270.710	ug/l	96
26) 2,2-Dichloropropane	7.02	77	182455	42.797	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	131372	44.278	ug/l	97
28) Bromochloromethane	7.37	49	90889	59.894	ug/l	91
29) Tetrahydrofuran	7.38	42	142294	270.344	ug/l	95
30) Chloroform	7.54	83	195332	43.290	ug/l	98
31) Cyclohexane	7.82	56	202895	44.527	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	171678	41.965	ug/l	98
36) 1,1-Dichloropropene	7.95	75	160749	42.988	ug/l	99
37) Ethyl Acetate	7.11	43	94678	52.302	ug/l	97
38) Carbon Tetrachloride	7.93	117	149321	41.273	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	215512	43.770	ug/l	99
40) Benzene	8.19	78	470251	44.089	ug/l	99
41) Methacrylonitrile	7.35	41	37470m	44.661	ug/l	
42) 1,2-Dichloroethane	8.27	62	131444	44.234	ug/l	99
43) Isopropyl Acetate	8.30	43	187176	52.223	ug/l	94
44) Trichloroethene	8.96	130	121768	42.354	ug/l	99
45) 1,2-Dichloropropane	9.24	63	119376	46.349	ug/l	99
46) Dibromomethane	9.33	93	64217	44.402	ug/l	100
47) Bromodichloromethane	9.52	83	153033	43.428	ug/l	100
48) Methyl methacrylate	9.31	41	84982	52.241	ug/l	94
49) 1,4-Dioxane	9.32	88	16739	876.390	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	477070	270.279	ug/l	96
52) Toluene	10.26	92	299833	44.304	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	174898	45.569	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	195180	44.296	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	94598	45.589	ug/l	97
56) Ethyl methacrylate	10.52	69	142680	48.344	ug/l	93
57) 1,3-Dichloropropane	10.80	76	164504	44.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	299641	275.981	ug/l	95
59) 2-Hexanone	10.85	43	360546	280.934	ug/l	96
60) Dibromochloromethane	11.00	129	106657	43.606	ug/l	99
61) 1,2-Dibromoethane	11.10	107	90795	44.425	ug/l	100
64) Tetrachloroethene	10.74	164	98360	40.951	ug/l	98
65) Chlorobenzene	11.53	112	310108	43.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	107058	42.536	ug/l	99
67) Ethyl Benzene	11.61	91	576958	43.392	ug/l	100
68) m/p-Xylenes	11.71	106	437478	87.644	ug/l	99
69) o-Xylene	12.04	106	205796	43.727	ug/l	97
70) Styrene	12.06	104	364408	44.775	ug/l	99
71) Bromoform	12.22	173	63257	45.136	ug/l #	99
73) Isopropylbenzene	12.34	105	560578	41.673	ug/l	100
74) N-amyl acetate	12.16	43	181822	52.016	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	120124	47.002	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	83950m	44.260	ug/l	
77) Bromobenzene	12.62	156	122342	42.026	ug/l	94
78) n-propylbenzene	12.68	91	693453	43.061	ug/l	99
79) 2-Chlorotoluene	12.77	91	387721	42.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	468366	41.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	47344	48.298	ug/l	98
82) 4-Chlorotoluene	12.86	91	407644	42.355	ug/l	100
83) tert-Butylbenzene	13.08	119	391931	40.929	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	470019	41.920	ug/l	99
85) sec-Butylbenzene	13.27	105	571179	42.425	ug/l	99
86) p-Isopropyltoluene	13.38	119	505894	42.640	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	235205	42.159	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	238201	42.618	ug/l	100
89) n-Butylbenzene	13.70	91	513053	43.828	ug/l	99
90) Hexachloroethane	13.97	117	97267	42.714	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	218094	43.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20577	43.613	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142475	41.818	ug/l	97
94) Hexachlorobutadiene	15.12	225	72245	41.780	ug/l	98
95) Naphthalene	15.25	128	336344	42.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	126668	42.118	ug/l	98

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

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