

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001825.D
 Acq On : 03 Mar 2020 11:16
 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
 3/4/2020 2:01:56 PM

Quant Time: Mar 04 03:44:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	180124	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	322955	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	288203	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	135247	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	100106	51.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.72	113	94905	51.31	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.18	98	390524	53.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.49	95	139539	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	86159	49.071	ug/l	100
3) Chloromethane	2.12	50	105413	44.636	ug/l	99
4) Vinyl Chloride	2.26	62	111634	46.866	ug/l	100
5) Bromomethane	2.65	94	69756	46.856	ug/l	97
6) Chloroethane	2.80	64	69754	47.522	ug/l	94
7) Trichlorofluoromethane	3.13	101	155666	51.061	ug/l	99
8) Diethyl Ether	3.54	74	60786	50.578	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	99724	52.043	ug/l	99
10) Methyl Iodide	4.10	142	117882	50.266	ug/l	99
11) Tert butyl alcohol	4.96	59	50898	224.143	ug/l	100
12) 1,1-Dichloroethene	3.88	96	96804	49.532	ug/l	98
13) Acrolein	3.74	56	49595	253.453	ug/l	99
14) Allyl chloride	4.49	41	180945	52.022	ug/l	98
15) Acrylonitrile	5.18	53	161388	261.982	ug/l	99
16) Acetone	3.96	43	170371	254.135	ug/l	100
17) Carbon Disulfide	4.20	76	297018	45.521	ug/l	99
18) Methyl Acetate	4.49	43	74308	50.898	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	275394	50.611	ug/l	99
20) Methylene Chloride	4.72	84	115208	48.381	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	109637	49.169	ug/l	100
22) Diisopropyl ether	6.13	45	364980	51.096	ug/l	99
23) Vinyl Acetate	6.07	43	1184561	254.236	ug/l	100
24) 1,1-Dichloroethane	6.03	63	197440	51.716	ug/l	100
25) 2-Butanone	7.00	43	230728	253.351	ug/l	99
26) 2,2-Dichloropropane	6.99	77	168336	50.680	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	122386	49.724	ug/l	98
28) Bromochloromethane	7.35	49	89822	56.480	ug/l	98
29) Tetrahydrofuran	7.35	42	138015	250.732	ug/l	99
30) Chloroform	7.52	83	185521	49.733	ug/l	97
31) Cyclohexane	7.79	56	194595	47.806	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	158129	50.436	ug/l	100
36) 1,1-Dichloropropene	7.92	75	152452	49.420	ug/l	99
37) Ethyl Acetate	7.08	43	91399	49.641	ug/l	100
38) Carbon Tetrachloride	7.91	117	135837	50.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	200557	49.005	ug/l	99
40) Benzene	8.17	78	455894	50.249	ug/l	99
41) Methacrylonitrile	7.33	41	47190m	51.045	ug/l	
42) 1,2-Dichloroethane	8.24	62	120861	48.898	ug/l	99
43) Isopropyl Acetate	8.28	43	173431	49.645	ug/l	98
44) Trichloroethene	8.94	130	111992	49.448	ug/l	96
45) 1,2-Dichloropropane	9.22	63	119039	52.390	ug/l	98
46) Dibromomethane	9.31	93	60353	50.784	ug/l	98
47) Bromodichloromethane	9.50	83	144734	50.461	ug/l	98
48) Methyl methacrylate	9.30	41	79216	50.139	ug/l	99
49) 1,4-Dioxane	9.30	88	16421	978.294	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	456616	254.399	ug/l	99
52) Toluene	10.25	92	283424	50.081	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	161637	50.976	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	187700	51.432	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	90076	51.402	ug/l	98
56) Ethyl methacrylate	10.51	69	134585	51.195	ug/l	100
57) 1,3-Dichloropropane	10.79	76	159203	51.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	243674	246.175	ug/l	99
59) 2-Hexanone	10.83	43	339608	252.173	ug/l	100
60) Dibromochloromethane	10.99	129	96389	49.890	ug/l	99
61) 1,2-Dibromoethane	11.09	107	84031	50.715	ug/l	97
64) Tetrachloroethene	10.72	164	88505	48.919	ug/l	99
65) Chlorobenzene	11.52	112	289207	50.262	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	99283	51.151	ug/l	100
67) Ethyl Benzene	11.60	91	546981	51.225	ug/l	100
68) m/p-Xylenes	11.70	106	405132	101.570	ug/l	99
69) o-Xylene	12.03	106	193653	51.068	ug/l	96
70) Styrene	12.05	104	336547	51.067	ug/l	100
71) Bromoform	12.21	173	54775	49.381	ug/l #	99
73) Isopropylbenzene	12.33	105	522268	50.689	ug/l	100
74) N-amyl acetate	12.14	43	161717	49.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	114294	51.952	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	85617m	55.185	ug/l	
77) Bromobenzene	12.61	156	110959	49.678	ug/l	99
78) n-propylbenzene	12.67	91	645560	51.445	ug/l	100
79) 2-Chlorotoluene	12.76	91	356170	50.606	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	434722	50.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	41497	50.744	ug/l	99
82) 4-Chlorotoluene	12.86	91	376861	50.769	ug/l	100
83) tert-Butylbenzene	13.08	119	362990	50.887	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	427025	50.220	ug/l	99
85) sec-Butylbenzene	13.25	105	541822	51.645	ug/l	100
86) p-Isopropyltoluene	13.37	119	459275	50.392	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	216381	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	217016	49.561	ug/l	99
89) n-Butylbenzene	13.70	91	475733	51.083	ug/l	100
90) Hexachloroethane	13.96	117	87203	50.783	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	198153	49.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18137	49.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	128770	48.608	ug/l	99
94) Hexachlorobutadiene	15.11	225	62245	47.245	ug/l	98
95) Naphthalene	15.23	128	304046	49.777	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	114118	48.964	ug/l	99

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

