

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002384.D
 Acq On : 16 Apr 2020 21:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:27 AM

Quant Time: Apr 17 08:31:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	142165	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	271002	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	247488	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	112328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	78170	49.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.75	113	83152	51.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.19	98	333995	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.49	95	112296	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	64350	44.787	ug/l	98
3) Chloromethane	2.13	50	83995	46.450	ug/l	99
4) Vinyl Chloride	2.27	62	88467	45.963	ug/l	98
5) Bromomethane	2.67	94	59396	49.972	ug/l	99
6) Chloroethane	2.82	64	54188	48.817	ug/l	100
7) Trichlorofluoromethane	3.15	101	120618	48.525	ug/l	97
8) Diethyl Ether	3.56	74	61203	57.919	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.93	101	86642	51.314	ug/l	99
10) Methyl Iodide	4.13	142	104149	53.066	ug/l	97
11) Tert butyl alcohol	4.99	59	48901	296.603	ug/l	98
12) 1,1-Dichloroethene	3.91	96	88400	51.497	ug/l	91
13) Acrolein	3.76	56	39630	194.411	ug/l	99
14) Allyl chloride	4.52	41	130491	47.074	ug/l	96
15) Acrylonitrile	5.21	53	153648	284.333	ug/l	100
16) Acetone	3.98	43	94392	226.685	ug/l	94
17) Carbon Disulfide	4.23	76	278711	48.888	ug/l	99
18) Methyl Acetate	4.51	43	70964	54.943	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	252957	56.052	ug/l	97
20) Methylene Chloride	4.75	84	114919	56.149	ug/l	93
21) trans-1,2-Dichloroethene	5.26	96	100865	52.349	ug/l	94
22) Diisopropyl ether	6.16	45	281296	50.425	ug/l	98
23) Vinyl Acetate	6.10	43	908052	255.430	ug/l	96
24) 1,1-Dichloroethane	6.05	63	163298	51.464	ug/l	99
25) 2-Butanone	7.02	43	169352	256.993	ug/l	95
26) 2,2-Dichloropropane	7.01	77	116969	44.068	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	113683	54.125	ug/l	94
28) Bromochloromethane	7.37	49	68293	49.859	ug/l	91
29) Tetrahydrofuran	7.38	42	114566	263.008	ug/l	93
30) Chloroform	7.53	83	158855	53.110	ug/l	98
31) Cyclohexane	7.81	56	151462	45.475	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	124825	50.139	ug/l	98
36) 1,1-Dichloropropene	7.94	75	123960	46.439	ug/l	97
37) Ethyl Acetate	7.11	43	72479	47.529	ug/l	96
38) Carbon Tetrachloride	7.93	117	107297	46.993	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	171219	47.153	ug/l	95
40) Benzene	8.19	78	408098	50.390	ug/l	99
41) Methacrylonitrile	7.35	41	37709m	41.918	ug/l	
42) 1,2-Dichloroethane	8.26	62	98264	48.981	ug/l	98
43) Isopropyl Acetate	8.30	43	135387	48.680	ug/l	96
44) Trichloroethene	8.96	130	118277	49.674	ug/l	95
45) 1,2-Dichloropropane	9.24	63	101628	50.575	ug/l	99
46) Dibromomethane	9.32	93	56119	53.414	ug/l	97
47) Bromodichloromethane	9.52	83	123582	51.263	ug/l	96
48) Methyl methacrylate	9.31	41	59623	47.811	ug/l	90
49) 1,4-Dioxane	9.31	88	16884	1136.046	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	363016	250.493	ug/l	96
52) Toluene	10.26	92	245965	50.395	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	133730	50.913	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	159999	50.667	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	84440	54.895	ug/l	97
56) Ethyl methacrylate	10.52	69	118763	54.096	ug/l	90
57) 1,3-Dichloropropane	10.80	76	142524	52.715	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	298150	262.253	ug/l	98
59) 2-Hexanone	10.85	43	250084	248.645	ug/l	94
60) Dibromochloromethane	11.00	129	90250	55.024	ug/l	98
61) 1,2-Dibromoethane	11.10	107	78160	53.374	ug/l	99
64) Tetrachloroethene	10.74	164	124727	49.848	ug/l	97
65) Chlorobenzene	11.53	112	263596	51.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	89161	52.493	ug/l	99
67) Ethyl Benzene	11.61	91	466026	49.482	ug/l	98
68) m/p-Xylenes	11.71	106	348503	98.797	ug/l	98
69) o-Xylene	12.04	106	168265	50.809	ug/l	96
70) Styrene	12.05	104	294964	51.337	ug/l	98
71) Bromoform	12.22	173	51170	55.398	ug/l #	98
73) Isopropylbenzene	12.34	105	433957	49.176	ug/l	99
74) N-amyl acetate	12.16	43	119373	47.654	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	60118	56.308	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	65565m	50.265	ug/l	
77) Bromobenzene	12.62	156	99625	51.314	ug/l	97
78) n-propylbenzene	12.68	91	525653	47.895	ug/l	99
79) 2-Chlorotoluene	12.77	91	289850	48.596	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	355362	48.692	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	35240	52.547	ug/l	93
82) 4-Chlorotoluene	12.86	91	300567	48.080	ug/l	98
83) tert-Butylbenzene	13.08	119	297200	48.616	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	358124	49.140	ug/l	99
85) sec-Butylbenzene	13.27	105	435620	47.835	ug/l	99
86) p-Isopropyltoluene	13.38	119	380875	48.595	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	188552	50.111	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187915	49.200	ug/l	100
89) n-Butylbenzene	13.70	91	376559	46.871	ug/l	99
90) Hexachloroethane	13.97	117	73606	49.282	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	173016	50.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	13115	50.790	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107771	48.225	ug/l	99
94) Hexachlorobutadiene	15.12	225	52852	46.956	ug/l	99
95) Naphthalene	15.25	128	261121	53.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	94250	48.570	ug/l	99

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

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