

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002122.D
 Acq On : 31 Mar 2020 10:39
 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
 4/1/2020 7:29:14 PM

Quant Time: Mar 31 15:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	166728	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	296363	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	264122	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	119260	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	89203	48.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.75	113	86160	51.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.20	98	358468	51.96	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.50	95	123027	50.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	49910	45.981	ug/l	94
3) Chloromethane	2.13	50	87381	44.847	ug/l	98
4) Vinyl Chloride	2.27	62	90369	45.603	ug/l	100
5) Bromomethane	2.68	94	62879	48.622	ug/l	98
6) Chloroethane	2.82	64	59920	47.091	ug/l	100
7) Trichlorofluoromethane	3.16	101	130448	48.037	ug/l	98
8) Diethyl Ether	3.56	74	52998	46.078	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	86219	48.393	ug/l	99
10) Methyl Iodide	4.13	142	101335	47.833	ug/l	98
11) Tert butyl alcohol	5.00	59	46804	215.486	ug/l	96
12) 1,1-Dichloroethene	3.91	96	87111	48.151	ug/l	99
13) Acrolein	3.77	56	77442	285.269	ug/l	99
14) Allyl chloride	4.52	41	159408	48.132	ug/l	99
15) Acrylonitrile	5.21	53	132896	220.446	ug/l	100
16) Acetone	3.99	43	125543	242.442	ug/l	97
17) Carbon Disulfide	4.23	76	288630	48.074	ug/l	99
18) Methyl Acetate	4.52	43	56153	41.760	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	234390	46.442	ug/l	97
20) Methylene Chloride	4.76	84	101107	46.836	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	100396	48.739	ug/l	98
22) Diisopropyl ether	6.16	45	320098	47.227	ug/l	96
23) Vinyl Acetate	6.10	43	1018683	229.204	ug/l	98
24) 1,1-Dichloroethane	6.06	63	175974	48.831	ug/l	99
25) 2-Butanone	7.02	43	178447	224.427	ug/l	99
26) 2,2-Dichloropropane	7.02	77	149091	50.233	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	111626	49.258	ug/l	100
28) Bromochloromethane	7.37	49	80066	48.666	ug/l	97
29) Tetrahydrofuran	7.38	42	109287	209.638	ug/l	99
30) Chloroform	7.54	83	166085	48.623	ug/l	99
31) Cyclohexane	7.82	56	175585	45.726	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	142180	49.854	ug/l	98
36) 1,1-Dichloropropene	7.95	75	138674	49.470	ug/l	99
37) Ethyl Acetate	7.11	43	74196	43.800	ug/l	99
38) Carbon Tetrachloride	7.93	117	123331	51.857	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	183208	49.826	ug/l	99
40) Benzene	8.19	78	414919	49.970	ug/l	99
41) Methacrylonitrile	7.36	41	47217m	55.105	ug/l	
42) 1,2-Dichloroethane	8.27	62	105894	48.036	ug/l	100
43) Isopropyl Acetate	8.30	43	141558	45.024	ug/l	99
44) Trichloroethene	8.97	130	100773	50.348	ug/l	95
45) 1,2-Dichloropropane	9.24	63	106167	50.216	ug/l	98
46) Dibromomethane	9.33	93	52545	48.394	ug/l	98
47) Bromodichloromethane	9.52	83	127844	50.579	ug/l	98
48) Methyl methacrylate	9.32	41	64759	45.962	ug/l	99
49) 1,4-Dioxane	9.32	88	12596	845.398	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	367901	227.247	ug/l	99
52) Toluene	10.27	92	255467	50.868	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	140643	50.132	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	167152	50.605	ug/l	98
55) 1,1,2-Trichloroethane	10.67	97	76841	47.817	ug/l	97
56) Ethyl methacrylate	10.53	69	110742	47.182	ug/l	98
57) 1,3-Dichloropropane	10.81	76	137758	48.519	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	285882	237.039	ug/l	99
59) 2-Hexanone	10.85	43	260315	228.263	ug/l	99
60) Dibromochloromethane	11.00	129	85856	51.057	ug/l	100
61) 1,2-Dibromoethane	11.11	107	73153	48.635	ug/l	99
64) Tetrachloroethene	10.74	164	83066	51.404	ug/l	96
65) Chlorobenzene	11.53	112	260213	51.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	88577	51.931	ug/l	99
67) Ethyl Benzene	11.61	91	486449	51.372	ug/l	98
68) m/p-Xylenes	11.72	106	363438	103.808	ug/l	98
69) o-Xylene	12.05	106	171214	51.553	ug/l	98
70) Styrene	12.06	104	296438	51.510	ug/l	100
71) Bromoform	12.22	173	47906	51.280	ug/l #	99
73) Isopropylbenzene	12.35	105	462319	52.258	ug/l	100
74) N-amyl acetate	12.16	43	127668	45.756	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	91768	48.205	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	64131m	48.073	ug/l	
77) Bromobenzene	12.63	156	99065	52.456	ug/l	95
78) n-propylbenzene	12.69	91	564996	51.463	ug/l	100
79) 2-Chlorotoluene	12.77	91	311782	51.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	381432	52.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	33672	48.900	ug/l	98
82) 4-Chlorotoluene	12.87	91	325862	51.301	ug/l	99
83) tert-Butylbenzene	13.09	119	324391	53.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	377431	51.828	ug/l	98
85) sec-Butylbenzene	13.27	105	467126	51.765	ug/l	100
86) p-Isopropyltoluene	13.39	119	405220	52.291	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	189149	51.197	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	189627	51.006	ug/l	99
89) n-Butylbenzene	13.71	91	411798	51.002	ug/l	100
90) Hexachloroethane	13.98	117	77627	53.161	ug/l	99
91) 1,2-Dichlorobenzene	13.76	146	169554	49.696	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	13079	42.890	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.03	180	104344	47.449	ug/l	99
94) Hexachlorobutadiene	15.13	225	52164	48.055	ug/l	97
95) Naphthalene	15.25	128	232538	44.521	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90544	45.404	ug/l	97

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

