

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031720\
 Data File : VY002000.D
 Acq On : 17 Mar 2020 17:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.14G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 11:13:12 AM

Quant Time: Mar 17 18:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	293703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	553821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	502287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	233999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	174001	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	7.74	113	159430	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.19	98	656084	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.49	95	232629	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	59793	22.055	ug/l	97
3) Chloromethane	2.13	50	86594	23.691	ug/l	99
4) Vinyl Chloride	2.26	62	89900	24.180	ug/l	99
5) Bromomethane	2.66	94	61251	25.317	ug/l	97
6) Chloroethane	2.81	64	58569	25.078	ug/l	96
7) Trichlorofluoromethane	3.15	101	125550	24.900	ug/l	97
8) Diethyl Ether	3.55	74	52731	26.534	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	82761	25.519	ug/l	99
10) Methyl Iodide	4.12	142	96425	25.710	ug/l	100
11) Tert butyl alcohol	4.99	59	44962	126.656	ug/l	99
12) 1,1-Dichloroethene	3.90	96	82229	25.181	ug/l	98
13) Acrolein	3.76	56	51289	116.405	ug/l	96
14) Allyl chloride	4.50	41	150640	26.022	ug/l	98
15) Acrylonitrile	5.20	53	141740	133.472	ug/l	100
16) Acetone	3.97	43	105476	115.497	ug/l	97
17) Carbon Disulfide	4.22	76	254459	23.181	ug/l	99
18) Methyl Acetate	4.50	43	62797	26.762	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	238844	26.991	ug/l	100
20) Methylene Chloride	4.75	84	98497	25.166	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	95344	25.724	ug/l	98
22) Diisopropyl ether	6.15	45	324065	27.309	ug/l	97
23) Vinyl Acetate	6.10	43	1056264	135.779	ug/l	99
24) 1,1-Dichloroethane	6.05	63	171158	26.635	ug/l	99
25) 2-Butanone	7.02	43	178675	128.655	ug/l	100
26) 2,2-Dichloropropane	7.01	77	137649	26.098	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	107156	26.578	ug/l	99
28) Bromochloromethane	7.36	49	79507	27.449	ug/l	99
29) Tetrahydrofuran	7.38	42	122206	132.510	ug/l	100
30) Chloroform	7.53	83	163019	27.001	ug/l	97
31) Cyclohexane	7.81	56	170184	24.700	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	135666	26.661	ug/l	99
36) 1,1-Dichloropropene	7.94	75	132464	24.855	ug/l	99
37) Ethyl Acetate	7.10	43	81108	26.185	ug/l	99
38) Carbon Tetrachloride	7.93	117	115826	25.441	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	173018	24.477	ug/l	97
40) Benzene	8.18	78	404812	25.627	ug/l	100
41) Methacrylonitrile	7.35	41	46505m	33.361	ug/l	
42) 1,2-Dichloroethane	8.26	62	107191	26.334	ug/l	99
43) Isopropyl Acetate	8.29	43	153654	26.201	ug/l	98
44) Trichloroethene	8.96	130	97951	25.461	ug/l	96
45) 1,2-Dichloropropane	9.24	63	106593	26.843	ug/l	100
46) Dibromomethane	9.32	93	53655	26.220	ug/l	98
47) Bromodichloromethane	9.51	83	127517	26.788	ug/l	99
48) Methyl methacrylate	9.31	41	70574	27.121	ug/l	100
49) 1,4-Dioxane	9.31	88	14357	512.023	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	403626	133.625	ug/l	100
52) Toluene	10.25	92	248245	25.870	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	138820	26.768	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	161186	26.108	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	79112	26.417	ug/l	97
56) Ethyl methacrylate	10.52	69	116920	26.636	ug/l	98
57) 1,3-Dichloropropane	10.80	76	139364	26.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	191622	106.412	ug/l	100
59) 2-Hexanone	10.85	43	274066	127.121	ug/l	99
60) Dibromochloromethane	11.00	129	85463	27.082	ug/l	99
61) 1,2-Dibromoethane	11.10	107	74464	26.249	ug/l	99
64) Tetrachloroethene	10.73	164	79164	25.132	ug/l	97
65) Chlorobenzene	11.53	112	255570	25.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	86801	26.447	ug/l	100
67) Ethyl Benzene	11.60	91	479209	25.674	ug/l	98
68) m/p-Xylenes	11.71	106	353765	51.265	ug/l	100
69) o-Xylene	12.04	106	170453	26.207	ug/l	97
70) Styrene	12.05	104	295899	26.562	ug/l	99
71) Bromoform	12.22	173	48952	27.503	ug/l #	99
73) Isopropylbenzene	12.34	105	457279	25.599	ug/l	99
74) N-amyl acetate	12.15	43	140603	25.611	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	99282	25.774	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	61423m	22.122	ug/l	
77) Bromobenzene	12.62	156	97521	25.768	ug/l	98
78) n-propylbenzene	12.68	91	560545	25.436	ug/l	100
79) 2-Chlorotoluene	12.77	91	309783	25.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	377251	25.654	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34627	25.191	ug/l	97
82) 4-Chlorotoluene	12.86	91	325696	25.692	ug/l	99
83) tert-Butylbenzene	13.08	119	316252	25.893	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	375015	25.697	ug/l	99
85) sec-Butylbenzene	13.26	105	470263	26.121	ug/l	100
86) p-Isopropyltoluene	13.38	119	399922	25.751	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	188868	25.467	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	190154	25.274	ug/l	99
89) n-Butylbenzene	13.70	91	411045	25.511	ug/l	99
90) Hexachloroethane	13.97	117	77636	26.499	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	173435	25.742	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14885	24.763	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108987	24.943	ug/l	97
94) Hexachlorobutadiene	15.12	225	53341	25.040	ug/l	100
95) Naphthalene	15.25	128	263332	25.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	97222	25.258	ug/l	100

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

