

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001620.D
 Acq On : 12 Feb 2020 19:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:28:04 PM

Quant Time: Feb 13 08:28:57 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	193844	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	346307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	149743	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	102731	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.75	113	93071	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.19	98	384248	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.49	95	142117	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	78805	41.531	ug/l	99
3) Chloromethane	2.13	50	104153	52.518	ug/l	97
4) Vinyl Chloride	2.26	62	107234	52.075	ug/l	98
5) Bromomethane	2.66	94	71601	55.288	ug/l	93
6) Chloroethane	2.81	64	69342	55.864	ug/l	93
7) Trichlorofluoromethane	3.15	101	143368	42.061	ug/l	98
8) Diethyl Ether	3.55	74	58514	50.871	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	91205	44.471	ug/l	97
10) Methyl Iodide	4.12	142	110944	42.455	ug/l	98
11) Tert butyl alcohol	4.99	59	55576	253.725	ug/l	99
12) 1,1-Dichloroethene	3.90	96	92214	45.247	ug/l	92
13) Acrolein	3.76	56	45853	248.114	ug/l	100
14) Allyl chloride	4.51	41	165141	52.969	ug/l	97
15) Acrylonitrile	5.21	53	155450	294.798	ug/l	99
16) Acetone	3.97	43	152990	270.990	ug/l	96
17) Carbon Disulfide	4.22	76	285345	43.981	ug/l	100
18) Methyl Acetate	4.51	43	70793	58.761	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	268197	49.484	ug/l	99
20) Methylene Chloride	4.75	84	106806	48.140	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	104051	45.926	ug/l	96
22) Diisopropyl ether	6.15	45	350163	56.690	ug/l	92
23) Vinyl Acetate	6.10	43	1164871	296.246	ug/l	95
24) 1,1-Dichloroethane	6.05	63	182746	49.187	ug/l	97
25) 2-Butanone	7.02	43	219742	300.019	ug/l	94
26) 2,2-Dichloropropane	7.02	77	152819	42.978	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	118115	47.731	ug/l	97
28) Bromochloromethane	7.36	49	78095	61.702	ug/l	88
29) Tetrahydrofuran	7.38	42	140551	320.166	ug/l	92
30) Chloroform	7.54	83	180349	47.922	ug/l	99
31) Cyclohexane	7.82	56	179206	47.154	ug/l	91
32) 1,1,1-Trichloroethane	7.73	97	152339	44.647	ug/l	97
36) 1,1-Dichloropropene	7.94	75	145321	45.871	ug/l	99
37) Ethyl Acetate	7.11	43	93113	60.714	ug/l	94
38) Carbon Tetrachloride	7.93	117	131143	42.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	188330	45.148	ug/l	99
40) Benzene	8.19	78	436160	48.268	ug/l	99
41) Methacrylonitrile	7.35	41	39094m	55.001	ug/l	
42) 1,2-Dichloroethane	8.27	62	122812	48.783	ug/l	99
43) Isopropyl Acetate	8.30	43	178984	58.943	ug/l	94
44) Trichloroethene	8.96	130	107412	44.099	ug/l	98
45) 1,2-Dichloropropane	9.24	63	111687	51.185	ug/l	98
46) Dibromomethane	9.33	93	58957	48.117	ug/l	100
47) Bromodichloromethane	9.52	83	141904	47.533	ug/l	100
48) Methyl methacrylate	9.31	41	80947	58.735	ug/l	94
49) 1,4-Dioxane	9.32	88	17170	1061.081	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	471110	315.038	ug/l	94
52) Toluene	10.26	92	273013	47.616	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	157588	48.464	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	179036	47.960	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	88410	50.291	ug/l	99
56) Ethyl methacrylate	10.52	69	135902	54.352	ug/l	93
57) 1,3-Dichloropropane	10.80	76	154340	49.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	264662	287.727	ug/l	94
59) 2-Hexanone	10.85	43	345938	318.165	ug/l	96
60) Dibromochloromethane	11.00	129	97410	47.008	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84035	48.533	ug/l	99
64) Tetrachloroethene	10.73	164	90863	43.993	ug/l	98
65) Chlorobenzene	11.53	112	285343	46.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	97570	45.082	ug/l	100
67) Ethyl Benzene	11.60	91	527376	46.125	ug/l	98
68) m/p-Xylenes	11.71	106	393468	91.670	ug/l	100
69) o-Xylene	12.03	106	188482	46.574	ug/l	98
70) Styrene	12.05	104	332289	47.480	ug/l	99
71) Bromoform	12.22	173	57713	47.890	ug/l #	99
73) Isopropylbenzene	12.34	105	506840	44.379	ug/l	100
74) N-amyl acetate	12.15	43	173855	58.582	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	113898	52.492	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	83967m	52.142	ug/l	
77) Bromobenzene	12.61	156	112623	45.568	ug/l	94
78) n-propylbenzene	12.68	91	621349	45.446	ug/l	100
79) 2-Chlorotoluene	12.77	91	350048	44.916	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	426198	44.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41037	49.309	ug/l	98
82) 4-Chlorotoluene	12.86	91	369293	45.195	ug/l	100
83) tert-Butylbenzene	13.08	119	357220	43.939	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	429424	45.110	ug/l	100
85) sec-Butylbenzene	13.26	105	520367	45.524	ug/l	99
86) p-Isopropyltoluene	13.38	119	454198	45.091	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	217174	45.850	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	217503	45.836	ug/l	99
89) n-Butylbenzene	13.70	91	460216	46.306	ug/l	99
90) Hexachloroethane	13.97	117	85906	44.434	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	199424	46.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18961	47.335	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129018	44.603	ug/l	99
94) Hexachlorobutadiene	15.12	225	62872	42.826	ug/l	99
95) Naphthalene	15.24	128	306540	45.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	114215	44.731	ug/l	97

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

