

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002029.D
 Acq On : 19 Mar 2020 18:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:18 PM

Quant Time: Mar 20 05:06:22 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	153995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116672	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	90356	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.74	113	83076	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
50) Toluene-d8	10.19	98	342410	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.49	95	120238	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	59228	41.666	ug/l	99
3) Chloromethane	2.13	50	84854	44.276	ug/l	99
4) Vinyl Chloride	2.26	62	87953	45.118	ug/l	99
5) Bromomethane	2.66	94	60509	53.561	ug/l	98
6) Chloroethane	2.81	64	59094	48.257	ug/l	93
7) Trichlorofluoromethane	3.15	101	127532	48.239	ug/l	99
8) Diethyl Ether	3.55	74	53218	51.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	83164	48.908	ug/l	99
10) Methyl Iodide	4.12	142	95515	48.572	ug/l	99
11) Tert butyl alcohol	4.99	59	55606	332.474	ug/l	96
12) 1,1-Dichloroethene	3.90	96	81724	47.732	ug/l	95
13) Acrolein	3.76	56	46600	201.713	ug/l	98
14) Allyl chloride	4.51	41	158526	52.227	ug/l	98
15) Acrylonitrile	5.20	53	140236	251.861	ug/l	99
16) Acetone	3.97	43	105381	220.080	ug/l	96
17) Carbon Disulfide	4.22	76	250946	43.600	ug/l	99
18) Methyl Acetate	4.51	43	62491	50.792	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	241957	52.148	ug/l	97
20) Methylene Chloride	4.75	84	102979	50.180	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	96146	49.475	ug/l	97
22) Diisopropyl ether	6.15	45	338255	54.366	ug/l	98
23) Vinyl Acetate	6.10	43	1074688	263.479	ug/l	99
24) 1,1-Dichloroethane	6.05	63	176936	52.514	ug/l	99
25) 2-Butanone	7.02	43	179007	245.831	ug/l	99
26) 2,2-Dichloropropane	7.01	77	141234	51.071	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	109498	51.799	ug/l	98
28) Bromochloromethane	7.36	49	81989	53.986	ug/l	98
29) Tetrahydrofuran	7.37	42	121102	250.442	ug/l	99
30) Chloroform	7.53	83	166900	52.724	ug/l	97
31) Cyclohexane	7.81	56	167015	46.231	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	140180	52.540	ug/l	99
36) 1,1-Dichloropropene	7.94	75	135065	49.915	ug/l	99
37) Ethyl Acetate	7.10	43	80680	51.301	ug/l	99
38) Carbon Tetrachloride	7.93	117	118884	51.431	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	172878	48.170	ug/l	99
40) Benzene	8.18	78	410575	51.192	ug/l	99
41) Methacrylonitrile	7.34	41	40684m	57.483	ug/l	
42) 1,2-Dichloroethane	8.26	62	110230	53.337	ug/l	98
43) Isopropyl Acetate	8.29	43	154272	51.812	ug/l	99
44) Trichloroethene	8.96	130	97634	49.985	ug/l	98
45) 1,2-Dichloropropane	9.24	63	106711	52.928	ug/l	98
46) Dibromomethane	9.32	93	53812	51.793	ug/l	99
47) Bromodichloromethane	9.51	83	130833	54.133	ug/l	95
48) Methyl methacrylate	9.31	41	69588	52.670	ug/l	96
49) 1,4-Dioxane	9.32	88	14642	1028.483	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	406048	264.763	ug/l	100
52) Toluene	10.25	92	250572	51.429	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	141239	53.639	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	166317	53.058	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	80234	52.767	ug/l	98
56) Ethyl methacrylate	10.52	69	117916	52.908	ug/l	95
57) 1,3-Dichloropropane	10.80	76	141494	52.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	204699	264.613	ug/l	99
59) 2-Hexanone	10.84	43	270409	247.032	ug/l	99
60) Dibromochloromethane	10.99	129	84751	52.896	ug/l	98
61) 1,2-Dibromoethane	11.10	107	74061	51.420	ug/l	99
64) Tetrachloroethene	10.73	164	80066	49.933	ug/l	99
65) Chlorobenzene	11.52	112	258199	50.680	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	88745	53.118	ug/l	100
67) Ethyl Benzene	11.60	91	487873	51.347	ug/l	99
68) m/p-Xylenes	11.71	106	358729	102.120	ug/l	100
69) o-Xylene	12.03	106	169625	51.232	ug/l	99
70) Styrene	12.05	104	295718	52.148	ug/l	99
71) Bromoform	12.22	173	47730	52.679	ug/l #	98
73) Isopropylbenzene	12.34	105	461535	51.820	ug/l	100
74) N-amyl acetate	12.15	43	143239	52.328	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	97853	50.948	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	57527m	41.554	ug/l	
77) Bromobenzene	12.61	156	97036	51.423	ug/l	99
78) n-propylbenzene	12.68	91	569231	51.805	ug/l	99
79) 2-Chlorotoluene	12.77	91	314090	51.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	381950	52.092	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34030	49.653	ug/l	95
82) 4-Chlorotoluene	12.86	91	332307	52.574	ug/l	99
83) tert-Butylbenzene	13.08	119	322366	52.934	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	380759	52.327	ug/l	100
85) sec-Butylbenzene	13.26	105	470860	52.455	ug/l	100
86) p-Isopropyltoluene	13.38	119	402917	52.034	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	190341	51.475	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	187552	49.996	ug/l	99
89) n-Butylbenzene	13.70	91	414700	51.620	ug/l	99
90) Hexachloroethane	13.97	117	76504	52.371	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	173232	51.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	15069	50.279	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	107729	49.449	ug/l	98
94) Hexachlorobutadiene	15.12	225	52511	49.439	ug/l	99
95) Naphthalene	15.25	128	251198	48.611	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	94304	49.137	ug/l	99

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

