

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001920.D
 Acq On : 10 Mar 2020 13:44
 Operator : SY/MD
 Sample : VY0310SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:41 PM

Quant Time: Mar 11 04:35:58 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	7.80	168	174644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	316025	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	286732	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	135023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	94593	50.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.72	113	88819	51.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.18	98	365877	50.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.48	95	127703	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	31428	19.495	ug/l	96
3) Chloromethane	2.11	50	44028	20.257	ug/l	95
4) Vinyl Chloride	2.26	62	44084	19.940	ug/l	99
5) Bromomethane	2.65	94	29820	19.527	ug/l	100
6) Chloroethane	2.79	64	27969	20.140	ug/l	98
7) Trichlorofluoromethane	3.13	101	59828	19.954	ug/l	88
8) Diethyl Ether	3.54	74	24575	20.796	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	39843	20.661	ug/l	99
10) Methyl Iodide	4.10	142	42871	19.224	ug/l	99
11) Tert butyl alcohol	4.96	59	25693	120.748	ug/l #	74
12) 1,1-Dichloroethene	3.88	96	39434	20.309	ug/l	99
13) Acrolein	3.74	56	25660	97.940	ug/l	98
14) Allyl chloride	4.49	41	72339	21.015	ug/l	99
15) Acrylonitrile	5.17	53	65441	103.634	ug/l	99
16) Acetone	3.96	43	54760	100.840	ug/l	91
17) Carbon Disulfide	4.19	76	128714	19.719	ug/l	97
18) Methyl Acetate	4.48	43	28960	20.755	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	111558	21.201	ug/l	94
20) Methylene Chloride	4.72	84	50508	21.702	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	45587	20.685	ug/l	96
22) Diisopropyl ether	6.12	45	147835	20.951	ug/l	96
23) Vinyl Acetate	6.07	43	483728	104.572	ug/l	99
24) 1,1-Dichloroethane	6.03	63	79063	20.691	ug/l	100
25) 2-Butanone	6.99	43	87261	105.667	ug/l	99
26) 2,2-Dichloropropane	6.99	77	65082	20.752	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	49815	20.779	ug/l	99
28) Bromochloromethane	7.34	49	34994	20.318	ug/l	98
29) Tetrahydrofuran	7.36	42	57296	104.480	ug/l	99
30) Chloroform	7.51	83	73677	20.523	ug/l	100
31) Cyclohexane	7.79	56	82087	20.036	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	62147	20.539	ug/l	99
36) 1,1-Dichloropropene	7.92	75	61962	20.375	ug/l	99
37) Ethyl Acetate	7.08	43	37932	21.461	ug/l	99
38) Carbon Tetrachloride	7.91	117	52123	20.064	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81302	20.157	ug/l	98
40) Benzene	8.17	78	183518	20.359	ug/l	98
41) Methacrylonitrile	7.33	41	23038m	28.962	ug/l	
42) 1,2-Dichloroethane	8.24	62	48290	20.790	ug/l	99
43) Isopropyl Acetate	8.28	43	69801	20.859	ug/l	99
44) Trichloroethene	8.94	130	44888	20.448	ug/l	88
45) 1,2-Dichloropropane	9.22	63	46979	20.733	ug/l	99
46) Dibromomethane	9.31	93	24211	20.734	ug/l	98
47) Bromodichloromethane	9.50	83	57285	21.089	ug/l	98
48) Methyl methacrylate	9.30	41	30524	20.556	ug/l	95
49) 1,4-Dioxane	9.30	88	6594	412.119	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	181932	105.552	ug/l	100
52) Toluene	10.25	92	112391	20.525	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	62677	21.179	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	73248	20.792	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	36115	21.133	ug/l	95
56) Ethyl methacrylate	10.51	69	52687	21.034	ug/l	96
57) 1,3-Dichloropropane	10.80	76	62845	20.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	135518	140.713	ug/l	98
59) 2-Hexanone	10.83	43	129322	105.119	ug/l	100
60) Dibromochloromethane	10.99	129	37458	20.802	ug/l	99
61) 1,2-Dibromoethane	11.09	107	33033	20.406	ug/l	100
64) Tetrachloroethene	10.72	164	36905	20.524	ug/l	97
65) Chlorobenzene	11.52	112	116366	20.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	39040	20.837	ug/l	99
67) Ethyl Benzene	11.59	91	216213	20.292	ug/l	100
68) m/p-Xylenes	11.70	106	161023	40.876	ug/l	100
69) o-Xylene	12.03	106	76073	20.489	ug/l	100
70) Styrene	12.05	104	131932	20.747	ug/l	100
71) Bromoform	12.21	173	20847	20.517	ug/l #	99
73) Isopropylbenzene	12.33	105	201484	19.548	ug/l	99
74) N-amyl acetate	12.15	43	64410	20.332	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	44318	19.938	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	31238m	19.498	ug/l	
77) Bromobenzene	12.61	156	43339	19.846	ug/l	98
78) n-propylbenzene	12.67	91	255277	20.075	ug/l	100
79) 2-Chlorotoluene	12.76	91	140569	20.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	172416	20.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15583	19.647	ug/l	96
82) 4-Chlorotoluene	12.86	91	147854	20.213	ug/l	100
83) tert-Butylbenzene	13.08	119	146301	20.758	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	170061	20.195	ug/l	100
85) sec-Butylbenzene	13.26	105	211225	20.333	ug/l	100
86) p-Isopropyltoluene	13.38	119	186454	20.807	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	88645	20.715	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89021	20.505	ug/l	98
89) n-Butylbenzene	13.70	91	193758	20.840	ug/l	98
90) Hexachloroethane	13.97	117	34306	20.293	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	80009	20.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7051	20.329	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	52106	20.667	ug/l	96
94) Hexachlorobutadiene	15.12	225	25773	20.967	ug/l	99
95) Naphthalene	15.25	128	122193	20.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	47244	21.271	ug/l	98

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

