

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001921.D
 Acq On : 10 Mar 2020 14:06
 Operator : SY/MD
 Sample : VY0310SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:43 PM

Quant Time: Mar 11 04:38:07 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	175333	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	317306	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	284938	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	133669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	93811	50.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.72	113	86894	50.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.18	98	357638	48.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.48	95	125450	49.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	29983	18.526	ug/l	99
3) Chloromethane	2.12	50	42327	19.398	ug/l	99
4) Vinyl Chloride	2.26	62	42445	19.124	ug/l	95
5) Bromomethane	2.65	94	27796	17.656	ug/l	95
6) Chloroethane	2.79	64	26938	19.321	ug/l #	86
7) Trichlorofluoromethane	3.13	101	58231	19.345	ug/l	96
8) Diethyl Ether	3.54	74	24808	20.911	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	38679	19.978	ug/l	98
10) Methyl Iodide	4.10	142	42489	18.977	ug/l	99
11) Tert butyl alcohol	4.96	59	31812	154.709	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	39055	20.034	ug/l	97
13) Acrolein	3.74	56	26156	99.440	ug/l	96
14) Allyl chloride	4.49	41	71111	20.577	ug/l	99
15) Acrylonitrile	5.18	53	66382	104.712	ug/l	100
16) Acetone	3.96	43	54442	99.861	ug/l	98
17) Carbon Disulfide	4.20	76	125869	19.207	ug/l	100
18) Methyl Acetate	4.49	43	29237	20.872	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	111039	21.019	ug/l	97
20) Methylene Chloride	4.72	84	49188	21.052	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	44259	20.003	ug/l	98
22) Diisopropyl ether	6.13	45	145313	20.513	ug/l	99
23) Vinyl Acetate	6.07	43	479123	103.170	ug/l	100
24) 1,1-Dichloroethane	6.03	63	77550	20.215	ug/l	99
25) 2-Butanone	7.00	43	87720	105.805	ug/l	98
26) 2,2-Dichloropropane	6.99	77	64199	20.390	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	49135	20.415	ug/l	100
28) Bromochloromethane	7.35	49	35503	20.532	ug/l	99
29) Tetrahydrofuran	7.35	42	57056	103.634	ug/l	99
30) Chloroform	7.52	83	72550	20.129	ug/l	100
31) Cyclohexane	7.79	56	81241	19.751	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	61068	20.103	ug/l	98
36) 1,1-Dichloropropene	7.92	75	61336	20.087	ug/l	98
37) Ethyl Acetate	7.08	43	38240	21.548	ug/l	100
38) Carbon Tetrachloride	7.91	117	51982	19.929	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	81545	20.135	ug/l	98
40) Benzene	8.16	78	182897	20.209	ug/l	100
41) Methacrylonitrile	7.32	41	18671m	23.378	ug/l	
42) 1,2-Dichloroethane	8.24	62	47835	20.511	ug/l	100
43) Isopropyl Acetate	8.28	43	69686	20.740	ug/l	98
44) Trichloroethene	8.94	130	43115	19.561	ug/l	93
45) 1,2-Dichloropropane	9.22	63	46899	20.614	ug/l	98
46) Dibromomethane	9.31	93	24162	20.609	ug/l	98
47) Bromodichloromethane	9.50	83	55570	20.375	ug/l	99
48) Methyl methacrylate	9.30	41	30346	20.354	ug/l	96
49) 1,4-Dioxane	9.30	88	7068	439.960	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	183880	106.251	ug/l	100
52) Toluene	10.24	92	111381	20.259	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61766	20.787	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	72556	20.512	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	35241	20.539	ug/l	97
56) Ethyl methacrylate	10.51	69	53063	21.099	ug/l	96
57) 1,3-Dichloropropane	10.79	76	63431	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	136164	140.840	ug/l	100
59) 2-Hexanone	10.83	43	127471	103.196	ug/l	100
60) Dibromochloromethane	10.99	129	36398	20.131	ug/l	99
61) 1,2-Dibromoethane	11.09	107	32803	20.183	ug/l	100
64) Tetrachloroethene	10.72	164	35946	20.116	ug/l	97
65) Chlorobenzene	11.52	112	113261	19.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	38571	20.717	ug/l	99
67) Ethyl Benzene	11.59	91	214135	20.223	ug/l	95
68) m/p-Xylenes	11.70	106	158158	40.401	ug/l	99
69) o-Xylene	12.03	106	74643	20.230	ug/l	99
70) Styrene	12.04	104	129344	20.468	ug/l	100
71) Bromoform	12.20	173	20634	20.436	ug/l #	99
73) Isopropylbenzene	12.33	105	202148	19.811	ug/l	99
74) N-amyl acetate	12.14	43	65321	20.829	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	44357	20.158	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	25616m	16.151	ug/l	
77) Bromobenzene	12.61	156	43998	20.352	ug/l	97
78) n-propylbenzene	12.67	91	250976	19.937	ug/l	100
79) 2-Chlorotoluene	12.76	91	138890	19.970	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	167439	19.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15483	19.718	ug/l	95
82) 4-Chlorotoluene	12.86	91	145460	20.087	ug/l	99
83) tert-Butylbenzene	13.08	119	142738	20.458	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	167009	20.033	ug/l	99
85) sec-Butylbenzene	13.25	105	208478	20.272	ug/l	100
86) p-Isopropyltoluene	13.37	119	181304	20.437	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	85523	20.187	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84957	19.767	ug/l	98
89) n-Butylbenzene	13.70	91	185967	20.205	ug/l	99
90) Hexachloroethane	13.96	117	32935	19.679	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	79054	20.540	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7005	20.401	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51537	20.648	ug/l	98
94) Hexachlorobutadiene	15.12	225	24725	20.318	ug/l	98
95) Naphthalene	15.24	128	119994	20.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	46114	20.972	ug/l	97

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

