

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001646.D
 Acq On : 17 Feb 2020 15:16
 Operator : SY/MD
 Sample : VY0217SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0217SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:39 AM

Quant Time: Feb 17 16:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	202725	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	352959	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	312403	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	151886	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	113800	52.19	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	104.38%	
35) Dibromofluoromethane	7.73	113	103078	50.99	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.98%	
50) Toluene-d8	10.19	98	432508	54.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.49	95	152386	49.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	34431	17.424	ug/l	100
3) Chloromethane	2.12	50	49003	18.436	ug/l	99
4) Vinyl Chloride	2.26	62	49328	18.400	ug/l	99
5) Bromomethane	2.65	94	33091	19.750	ug/l	99
6) Chloroethane	2.80	64	31343	18.973	ug/l	97
7) Trichlorofluoromethane	3.13	101	65628	19.127	ug/l	98
8) Diethyl Ether	3.54	74	24844	18.367	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40847	18.940	ug/l	98
10) Methyl Iodide	4.11	142	48170	18.250	ug/l	100
11) Tert butyl alcohol	4.96	59	36078	130.734	ug/l #	93
12) 1,1-Dichloroethene	3.88	96	42180	19.176	ug/l	96
13) Acrolein	3.74	56	22358	101.521	ug/l	99
14) Allyl chloride	4.49	41	73358	18.739	ug/l	97
15) Acrylonitrile	5.19	53	63643	91.794	ug/l	99
16) Acetone	3.96	43	62663	83.051	ug/l	97
17) Carbon Disulfide	4.21	76	136225	18.550	ug/l	99
18) Methyl Acetate	4.49	43	29621	18.027	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	113611	18.551	ug/l	96
20) Methylene Chloride	4.74	84	51345	19.158	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	46572	18.558	ug/l	99
22) Diisopropyl ether	6.14	45	149960	18.653	ug/l	97
23) Vinyl Acetate	6.08	43	486278	92.732	ug/l	99
24) 1,1-Dichloroethane	6.04	63	80664	18.773	ug/l	100
25) 2-Butanone	7.00	43	89334	87.157	ug/l	97
26) 2,2-Dichloropropane	7.00	77	70810	18.942	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51311	18.523	ug/l	100
28) Bromochloromethane	7.35	49	33249	18.576	ug/l	98
29) Tetrahydrofuran	7.36	42	56723	91.560	ug/l	98
30) Chloroform	7.52	83	77522	18.465	ug/l	99
31) Cyclohexane	7.80	56	86536	18.889	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66589	18.871	ug/l	98
36) 1,1-Dichloropropene	7.93	75	65845	19.530	ug/l	99
37) Ethyl Acetate	7.09	43	37868	18.819	ug/l	100
38) Carbon Tetrachloride	7.91	117	57447	19.399	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	87045	19.461	ug/l	98
40) Benzene	8.17	78	190686	19.231	ug/l	99
41) Methacrylonitrile	7.33	41	21128m	20.911	ug/l	
42) 1,2-Dichloroethane	8.25	62	52564	19.459	ug/l	99
43) Isopropyl Acetate	8.28	43	71054	18.610	ug/l	98
44) Trichloroethene	8.95	130	48093	19.430	ug/l	98
45) 1,2-Dichloropropane	9.22	63	48226	19.420	ug/l	97
46) Dibromomethane	9.31	93	24900	19.171	ug/l	99
47) Bromodichloromethane	9.50	83	60030	19.150	ug/l	99
48) Methyl methacrylate	9.30	41	32448	18.792	ug/l	98
49) 1,4-Dioxane	9.30	88	6819	371.714	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	185807	94.721	ug/l	98
52) Toluene	10.25	92	120034	19.407	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	65223	18.821	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	75641	18.965	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	36329	18.969	ug/l	98
56) Ethyl methacrylate	10.52	69	52987	18.442	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65309	19.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	141633	121.231	ug/l	100
59) 2-Hexanone	10.84	43	135152	91.825	ug/l	97
60) Dibromochloromethane	10.99	129	40058	18.971	ug/l	99
61) 1,2-Dibromoethane	11.10	107	34948	19.299	ug/l	99
64) Tetrachloroethene	10.72	164	38902	19.837	ug/l	94
65) Chlorobenzene	11.52	112	122760	19.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	42079	20.000	ug/l	98
67) Ethyl Benzene	11.60	91	231134	19.969	ug/l	98
68) m/p-Xylenes	11.70	106	171562	39.680	ug/l	99
69) o-Xylene	12.03	106	80321	19.541	ug/l	99
70) Styrene	12.05	104	139929	19.588	ug/l	100
71) Bromoform	12.21	173	22624	18.816	ug/l #	100
73) Isopropylbenzene	12.33	105	217189	18.770	ug/l	100
74) N-amyl acetate	12.14	43	67847	18.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	45181	18.287	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	29479m	16.919	ug/l	
77) Bromobenzene	12.61	156	47771	19.045	ug/l	95
78) n-propylbenzene	12.67	91	269382	19.115	ug/l	99
79) 2-Chlorotoluene	12.76	91	150378	19.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	184437	19.256	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16784	18.276	ug/l	94
82) 4-Chlorotoluene	12.86	91	159136	19.090	ug/l	98
83) tert-Butylbenzene	13.08	119	151151	18.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	183475	19.214	ug/l	100
85) sec-Butylbenzene	13.26	105	224530	19.057	ug/l	100
86) p-Isopropyltoluene	13.37	119	197455	19.292	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	92934	19.104	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93686	19.052	ug/l	99
89) n-Butylbenzene	13.70	91	201606	19.277	ug/l	100
90) Hexachloroethane	13.96	117	35904	18.618	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	84280	18.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7280	17.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	56035	18.835	ug/l	99
94) Hexachlorobutadiene	15.11	225	28066	18.969	ug/l	100
95) Naphthalene	15.24	128	122985	17.929	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	48619	18.576	ug/l	99

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

