

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002487.D
 Acq On : 28 Apr 2020 12:30
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0428SBS01

Quant Time: Apr 28 20:22:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294203	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	422654	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	384276	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	202816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	124071	48.25	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.50%	
35) Dibromofluoromethane	7.72	113	122532	51.40	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.80%	
50) Toluene-d8	10.18	98	465351	48.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.49	95	140619	43.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	44569	20.686	ug/l	98
3) Chloromethane	2.12	50	57619	21.018	ug/l	97
4) Vinyl Chloride	2.26	62	36799	18.686	ug/l	96
5) Bromomethane	2.65	94	23885	21.610	ug/l	95
6) Chloroethane	2.80	64	19479	20.601	ug/l	98
7) Trichlorofluoromethane	3.13	101	69451	19.448	ug/l	97
8) Diethyl Ether	3.54	74	31519	21.413	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51276	20.860	ug/l	99
10) Methyl Iodide	4.10	142	73027	19.258	ug/l	100
11) Tert butyl alcohol	4.96	59	27441	113.383	ug/l	97
12) 1,1-Dichloroethene	3.88	96	53340	21.179	ug/l	98
13) Acrolein	3.74	56	18062	93.228	ug/l	98
14) Allyl chloride	4.49	41	72122	19.486	ug/l	97
15) Acrylonitrile	5.18	53	73036	103.704	ug/l	99
16) Acetone	3.96	43	60994	113.501	ug/l	95
17) Carbon Disulfide	4.20	76	152157	19.375	ug/l	99
18) Methyl Acetate	4.48	43	34022	19.675	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	142921	21.030	ug/l	100
20) Methylene Chloride	4.72	84	59741	19.471	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	56418	19.897	ug/l	95
22) Diisopropyl ether	6.13	45	143962	19.672	ug/l	98
23) Vinyl Acetate	6.07	43	469749	101.019	ug/l	99
24) 1,1-Dichloroethane	6.03	63	88006	19.863	ug/l	98
25) 2-Butanone	7.00	43	84687	102.865	ug/l	96
26) 2,2-Dichloropropane	6.99	77	86316	20.371	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	62029	20.113	ug/l	99
28) Bromochloromethane	7.35	49	35874	20.755	ug/l	95
29) Tetrahydrofuran	7.36	42	55056	100.865	ug/l	98
30) Chloroform	7.51	83	90777	19.243	ug/l	96
31) Cyclohexane	7.79	56	84028	18.966	ug/l	# 91
32) 1,1,1-Trichloroethane	7.71	97	89934	20.176	ug/l	99
36) 1,1-Dichloropropene	7.92	75	72692	20.058	ug/l	100
37) Ethyl Acetate	7.08	43	37307	20.491	ug/l	98
38) Carbon Tetrachloride	7.91	117	86024	20.642	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	86090	18.210	ug/l	96
40) Benzene	8.17	78	213691	20.401	ug/l	99
41) Methacrylonitrile	7.32	41	22394m	19.964	ug/l	
42) 1,2-Dichloroethane	8.24	62	62569	20.563	ug/l	100
43) Isopropyl Acetate	8.28	43	69069	20.283	ug/l	100
44) Trichloroethene	8.94	130	67610	20.642	ug/l	94
45) 1,2-Dichloropropane	9.22	63	46040	19.071	ug/l	96
46) Dibromomethane	9.31	93	29523	20.902	ug/l	97
47) Bromodichloromethane	9.50	83	72580	20.548	ug/l	98
48) Methyl methacrylate	9.30	41	31789	20.449	ug/l	98
49) 1,4-Dioxane	9.30	88	7953	441.830	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	182378	103.112	ug/l	99
52) Toluene	10.25	92	136970	20.314	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	77153	20.799	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	87334	20.570	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	43733	20.941	ug/l	99
56) Ethyl methacrylate	10.51	69	58995	20.675	ug/l	99
57) 1,3-Dichloropropane	10.79	76	72395	20.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	146533	106.192	ug/l	99
59) 2-Hexanone	10.83	43	128287	104.055	ug/l	98
60) Dibromochloromethane	10.99	129	57287	20.935	ug/l	100
61) 1,2-Dibromoethane	11.10	107	43216	20.869	ug/l	100
64) Tetrachloroethene	10.72	164	69294	19.675	ug/l	95
65) Chlorobenzene	11.52	112	153389	20.705	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	58707	21.120	ug/l	100
67) Ethyl Benzene	11.60	91	269566	20.417	ug/l	98
68) m/p-Xylenes	11.70	106	208818	41.084	ug/l	97
69) o-Xylene	12.03	106	74901	15.913	ug/l	100
70) Styrene	12.05	104	128690	15.702	ug/l	98
71) Bromoform	12.21	173	32633	18.636	ug/l #	99
73) Isopropylbenzene	12.33	105	207863	15.330	ug/l	99
74) N-amyl acetate	12.14	43	50007	15.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	32257	15.490	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	35397m	20.592	ug/l	
77) Bromobenzene	12.61	156	61136	17.978	ug/l	99
78) n-propylbenzene	12.67	91	289197	18.370	ug/l	99
79) 2-Chlorotoluene	12.76	91	171916	19.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	228537	19.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14950	16.094	ug/l	94
82) 4-Chlorotoluene	12.86	91	183440	20.603	ug/l	98
83) tert-Butylbenzene	13.08	119	199228	19.936	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	230639	20.889	ug/l	99
85) sec-Butylbenzene	13.25	105	273188	20.416	ug/l	98
86) p-Isopropyltoluene	13.37	119	262685	20.585	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	130348	20.724	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	130305	20.835	ug/l	99
89) n-Butylbenzene	13.70	91	236312	20.074	ug/l	99
90) Hexachloroethane	13.96	117	46016	19.950	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	119075	21.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8771	21.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	90702	21.217	ug/l	100
94) Hexachlorobutadiene	15.11	225	55381	21.465	ug/l	99
95) Naphthalene	15.24	128	167155	21.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	74340	20.501	ug/l	99

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

