

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002701.D
 Acq On : 18 May 2020 11:22
 Operator : SY/MD
 Sample : VY0518SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0518SBS01

Quant Time: May 19 00:20:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	334521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	494427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	453276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	242665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	133089	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.72	113	139444	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.18	98	565527	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.48	95	192447	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	50782	21.185	ug/l	97
3) Chloromethane	2.12	50	61954	22.568	ug/l	99
4) Vinyl Chloride	2.26	62	61939	21.652	ug/l	96
5) Bromomethane	2.65	94	45045	21.245	ug/l	100
6) Chloroethane	2.79	64	37486	20.492	ug/l	99
7) Trichlorofluoromethane	3.13	101	98167	20.363	ug/l	100
8) Diethyl Ether	3.54	74	32706	19.943	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	57624	19.719	ug/l	98
10) Methyl Iodide	4.10	142	76701	19.068	ug/l	98
11) Tert butyl alcohol	4.96	59	26431	99.463	ug/l	97
12) 1,1-Dichloroethene	3.88	96	59226	20.184	ug/l	97
13) Acrolein	3.74	56	29740	95.418	ug/l	98
14) Allyl chloride	4.49	41	83231	19.758	ug/l	100
15) Acrylonitrile	5.18	53	76145	102.542	ug/l	100
16) Acetone	3.96	43	53668	99.494	ug/l	96
17) Carbon Disulfide	4.20	76	184993	20.099	ug/l	98
18) Methyl Acetate	4.49	43	31233	20.308	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	148412	20.392	ug/l	96
20) Methylene Chloride	4.72	84	63013	19.325	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	66060	20.247	ug/l	94
22) Diisopropyl ether	6.12	45	168178	20.123	ug/l	93
23) Vinyl Acetate	6.07	43	540913	101.076	ug/l	99
24) 1,1-Dichloroethane	6.03	63	99429	19.910	ug/l	99
25) 2-Butanone	7.00	43	87220	97.728	ug/l	96
26) 2,2-Dichloropropane	6.99	77	95371	20.525	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	71292	20.222	ug/l	99
28) Bromochloromethane	7.34	49	40807	20.655	ug/l	98
29) Tetrahydrofuran	7.35	42	61496	101.272	ug/l	98
30) Chloroform	7.51	83	104432	20.148	ug/l	99
31) Cyclohexane	7.79	56	100002	19.743	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	98342	20.534	ug/l	100
36) 1,1-Dichloropropene	7.92	75	84181	20.112	ug/l	99
37) Ethyl Acetate	7.08	43	40837	19.837	ug/l	100
38) Carbon Tetrachloride	7.91	117	94155	20.930	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	112673	20.020	ug/l	96
40) Benzene	8.16	78	247502	20.266	ug/l	100
41) Methacrylonitrile	7.34	41	30175m	24.397	ug/l	
42) 1,2-Dichloroethane	8.24	62	66799	20.738	ug/l	98
43) Isopropyl Acetate	8.28	43	76985	20.122	ug/l	98
44) Trichloroethene	8.94	130	79129	20.327	ug/l	99
45) 1,2-Dichloropropane	9.22	63	57652	19.890	ug/l	98
46) Dibromomethane	9.31	93	33497	20.570	ug/l	99
47) Bromodichloromethane	9.50	83	81515	20.510	ug/l	99
48) Methyl methacrylate	9.30	41	35346	20.065	ug/l	98
49) 1,4-Dioxane	9.30	88	8979	404.844	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	203969	103.260	ug/l	100
52) Toluene	10.24	92	161950	20.491	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	87004	20.510	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	100869	20.512	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	50325	20.758	ug/l	98
56) Ethyl methacrylate	10.51	69	66466	20.593	ug/l	99
57) 1,3-Dichloropropane	10.79	76	84259	20.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	155223	97.419	ug/l	99
59) 2-Hexanone	10.83	43	140319	101.962	ug/l	99
60) Dibromochloromethane	10.99	129	64075	20.688	ug/l	98
61) 1,2-Dibromoethane	11.09	107	49045	20.533	ug/l	99
64) Tetrachloroethene	10.72	164	90033	20.922	ug/l	97
65) Chlorobenzene	11.52	112	180163	20.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	66929	20.589	ug/l	100
67) Ethyl Benzene	11.60	91	314261	20.434	ug/l	100
68) m/p-Xylenes	11.70	106	246718	41.235	ug/l	99
69) o-Xylene	12.03	106	115982	20.653	ug/l	98
70) Styrene	12.05	104	198828	20.622	ug/l	99
71) Bromoform	12.21	173	41912	20.858	ug/l #	99
73) Isopropylbenzene	12.33	105	318279	20.073	ug/l	100
74) N-amyl acetate	12.14	43	74475	20.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	46569	19.944	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	41339m	20.738	ug/l	
77) Bromobenzene	12.61	156	80543	20.318	ug/l	99
78) n-propylbenzene	12.67	91	368801	19.994	ug/l	100
79) 2-Chlorotoluene	12.75	91	202288	19.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266549	20.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21573	20.467	ug/l #	75
82) 4-Chlorotoluene	12.86	91	215197	20.081	ug/l	99
83) tert-Butylbenzene	13.08	119	231068	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	267656	20.102	ug/l	100
85) sec-Butylbenzene	13.25	105	325378	19.998	ug/l	100
86) p-Isopropyltoluene	13.37	119	307920	20.218	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	153607	20.097	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	151116	19.859	ug/l	98
89) n-Butylbenzene	13.70	91	280831	20.079	ug/l	99
90) Hexachloroethane	13.96	117	55836	19.794	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	136496	19.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9044	20.198	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	101250	18.483	ug/l	100
94) Hexachlorobutadiene	15.11	225	62006	18.731	ug/l	98
95) Naphthalene	15.23	128	175344	18.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	83617	17.692	ug/l	100

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

