

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002715.D
 Acq On : 19 May 2020 11:34
 Operator : SY/MD
 Sample : VY0519SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Quant Time: May 20 08:28:53 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	371828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	549540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	142151	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.72	113	155763	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.18	98	630616	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.48	95	208684	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	51295	19.252	ug/l	98
3) Chloromethane	2.12	50	59174	19.392	ug/l	98
4) Vinyl Chloride	2.26	62	61432	19.320	ug/l	99
5) Bromomethane	2.65	94	45807	19.437	ug/l	99
6) Chloroethane	2.79	64	39593	19.472	ug/l	100
7) Trichlorofluoromethane	3.13	101	104472	19.496	ug/l	100
8) Diethyl Ether	3.54	74	33979	18.640	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	63670	19.601	ug/l	99
10) Methyl Iodide	4.10	142	86121	19.262	ug/l	100
11) Tert butyl alcohol	4.96	59	25826	87.435	ug/l	100
12) 1,1-Dichloroethene	3.88	96	63962	19.611	ug/l	94
13) Acrolein	3.74	56	29983	86.545	ug/l	98
14) Allyl chloride	4.49	41	92090	19.668	ug/l	98
15) Acrylonitrile	5.17	53	73722	89.318	ug/l	100
16) Acetone	3.96	43	50495	84.219	ug/l	92
17) Carbon Disulfide	4.20	76	196692	19.226	ug/l	99
18) Methyl Acetate	4.49	43	30898	18.074	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	148503	18.357	ug/l	100
20) Methylene Chloride	4.72	84	67725	18.687	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	71036	19.587	ug/l	99
22) Diisopropyl ether	6.13	45	182785	19.676	ug/l	97
23) Vinyl Acetate	6.07	43	551842	92.772	ug/l	99
24) 1,1-Dichloroethane	6.03	63	108483	19.543	ug/l	99
25) 2-Butanone	6.99	43	86065	86.758	ug/l	98
26) 2,2-Dichloropropane	6.99	77	99364	19.238	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	76148	19.432	ug/l	98
28) Bromochloromethane	7.34	49	45523	20.731	ug/l	99
29) Tetrahydrofuran	7.35	42	59412	88.023	ug/l	98
30) Chloroform	7.52	83	111441	19.343	ug/l	98
31) Cyclohexane	7.79	56	109289	19.412	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	103619	19.465	ug/l	100
36) 1,1-Dichloropropene	7.93	75	90611	19.477	ug/l	100
37) Ethyl Acetate	7.08	43	40024	17.492	ug/l	100
38) Carbon Tetrachloride	7.91	117	98015	19.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	120731	19.301	ug/l	98
40) Benzene	8.17	78	264712	19.501	ug/l	100
41) Methacrylonitrile	7.33	41	23314m	16.959	ug/l	
42) 1,2-Dichloroethane	8.24	62	66777	18.652	ug/l	97
43) Isopropyl Acetate	8.28	43	76062	17.887	ug/l	99
44) Trichloroethene	8.94	130	84800	19.599	ug/l	99
45) 1,2-Dichloropropane	9.22	63	62074	19.268	ug/l	99
46) Dibromomethane	9.31	93	33884	18.721	ug/l	99
47) Bromodichloromethane	9.50	83	84432	19.114	ug/l	99
48) Methyl methacrylate	9.30	41	35013	17.883	ug/l	99
49) 1,4-Dioxane	9.30	88	9288	376.777	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	195263	88.939	ug/l	100
52) Toluene	10.24	92	170940	19.460	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	88486	18.768	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	106334	19.454	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	51224	19.010	ug/l	99
56) Ethyl methacrylate	10.51	69	65279	18.197	ug/l	97
57) 1,3-Dichloropropane	10.79	76	84657	18.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	160211	90.465	ug/l	100
59) 2-Hexanone	10.83	43	132976	86.936	ug/l	100
60) Dibromochloromethane	10.99	129	65241	18.952	ug/l	100
61) 1,2-Dibromoethane	11.09	107	49901	18.796	ug/l	98
64) Tetrachloroethene	10.72	164	95507	20.192	ug/l	98
65) Chlorobenzene	11.52	112	188246	19.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69902	19.563	ug/l	99
67) Ethyl Benzene	11.59	91	335391	19.841	ug/l	98
68) m/p-Xylenes	11.70	106	260123	39.553	ug/l	99
69) o-Xylene	12.03	106	121988	19.763	ug/l	98
70) Styrene	12.04	104	206633	19.498	ug/l	100
71) Bromoform	12.20	173	40742	18.446	ug/l #	99
73) Isopropylbenzene	12.33	105	335263	19.974	ug/l	100
74) N-amyl acetate	12.14	43	72280	18.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	44109	17.846	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	37788m	17.908	ug/l	
77) Bromobenzene	12.61	156	81548	19.433	ug/l	99
78) n-propylbenzene	12.67	91	388116	19.877	ug/l	100
79) 2-Chlorotoluene	12.75	91	213128	19.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	276743	19.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20939	18.767	ug/l #	77
82) 4-Chlorotoluene	12.85	91	222937	19.652	ug/l	99
83) tert-Butylbenzene	13.08	119	246286	19.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	276828	19.640	ug/l	99
85) sec-Butylbenzene	13.25	105	342319	19.875	ug/l	99
86) p-Isopropyltoluene	13.37	119	319190	19.799	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	157024	19.408	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	156006	19.367	ug/l	99
89) n-Butylbenzene	13.69	91	291627	19.698	ug/l	100
90) Hexachloroethane	13.96	117	58336	19.536	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	139273	19.194	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8366	17.650	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	103174	17.664	ug/l	100
94) Hexachlorobutadiene	15.11	225	64943	18.491	ug/l	99
95) Naphthalene	15.23	128	172777	17.289	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	86597	17.231	ug/l	100

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

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