

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003281.D
 Acq On : 22 Jul 2020 12:21
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 12:23:00 PM

Quant Time: Jul 23 05:57:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	446727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	655460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	601124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	328052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	187081	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.72	113	177312	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	10.18	98	660200	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.48	95	234682	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	73354	22.910	ug/l	97
3) Chloromethane	2.11	50	97419	21.935	ug/l	100
4) Vinyl Chloride	2.26	62	100301	22.012	ug/l	95
5) Bromomethane	2.64	94	76848	22.705	ug/l	99
6) Chloroethane	2.79	64	65281	21.812	ug/l	98
7) Trichlorofluoromethane	3.13	101	145455	22.352	ug/l	97
8) Diethyl Ether	3.53	74	47532	21.798	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	86676	22.054	ug/l	96
10) Methyl Iodide	4.09	142	81588	19.108	ug/l	98
11) Tert butyl alcohol	4.97	59	48864	119.849	ug/l #	72
12) 1,1-Dichloroethene	3.88	96	80133	21.556	ug/l	93
13) Acrolein	3.73	56	27071	76.497	ug/l	98
14) Allyl chloride	4.49	41	133172	24.143	ug/l	94
15) Acrylonitrile	5.18	53	120654	115.184	ug/l	98
16) Acetone	3.95	43	94258	111.916	ug/l	98
17) Carbon Disulfide	4.19	76	251661	22.062	ug/l	98
18) Methyl Acetate	4.49	43	55515	23.735	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	223754	21.479	ug/l	98
20) Methylene Chloride	4.72	84	101870	20.834	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	92420	21.981	ug/l	97
22) Diisopropyl ether	6.12	45	286421	23.397	ug/l	97
23) Vinyl Acetate	6.07	43	917183	112.406	ug/l	100
24) 1,1-Dichloroethane	6.02	63	159836	22.536	ug/l	99
25) 2-Butanone	6.99	43	156394	113.095	ug/l	99
26) 2,2-Dichloropropane	6.99	77	142586	22.324	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	102607	22.165	ug/l	98
28) Bromochloromethane	7.34	49	71125	23.163	ug/l	94
29) Tetrahydrofuran	7.35	42	107567	115.791	ug/l	95
30) Chloroform	7.51	83	160481	21.970	ug/l	100
31) Cyclohexane	7.79	56	151383	22.073	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	144314	21.945	ug/l	100
36) 1,1-Dichloropropene	7.92	75	125593	21.141	ug/l	99
37) Ethyl Acetate	7.08	43	73607	23.008	ug/l	98
38) Carbon Tetrachloride	7.91	117	130959	21.354	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	155700	20.864	ug/l	97
40) Benzene	8.16	78	359923	22.004	ug/l	96
41) Methacrylonitrile	7.33	41	46042m	23.896	ug/l	
42) 1,2-Dichloroethane	8.24	62	108902	21.626	ug/l	100
43) Isopropyl Acetate	8.28	43	133068	21.489	ug/l	99
44) Trichloroethene	8.94	130	101222	20.186	ug/l	98
45) 1,2-Dichloropropane	9.22	63	91674	21.659	ug/l	95
46) Dibromomethane	9.31	93	52076	21.066	ug/l	98
47) Bromodichloromethane	9.50	83	128362	21.832	ug/l	99
48) Methyl methacrylate	9.29	41	58531	21.143	ug/l	98
49) 1,4-Dioxane	9.30	88	14080	448.768	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	355966	110.594	ug/l	97
52) Toluene	10.24	92	224535	21.476	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	131016	21.508	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	152818	21.773	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	72771	20.774	ug/l	99
56) Ethyl methacrylate	10.51	69	100468	21.096	ug/l	96
57) 1,3-Dichloropropane	10.79	76	126129	21.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	263688	108.564	ug/l	98
59) 2-Hexanone	10.83	43	245732	109.366	ug/l	96
60) Dibromochloromethane	10.99	129	93090	21.128	ug/l	99
61) 1,2-Dibromoethane	11.09	107	71731	20.747	ug/l	98
64) Tetrachloroethene	10.72	164	103927	19.390	ug/l	97
65) Chlorobenzene	11.52	112	246947	21.325	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	96372	21.427	ug/l	99
67) Ethyl Benzene	11.59	91	438752	21.220	ug/l	98
68) m/p-Xylenes	11.70	106	335600	42.777	ug/l	100
69) o-Xylene	12.03	106	155732	21.248	ug/l	98
70) Styrene	12.04	104	271040	21.618	ug/l	100
71) Bromoform	12.20	173	60539	20.508	ug/l	97
73) Isopropylbenzene	12.33	105	431136	20.623	ug/l	99
74) N-amyl acetate	12.14	43	122706	20.919	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	85414	21.154	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	61151m	21.059	ug/l	
77) Bromobenzene	12.61	156	108323	20.327	ug/l	99
78) n-propylbenzene	12.67	91	513824	20.851	ug/l	100
79) 2-Chlorotoluene	12.75	91	287805	20.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	365384	20.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	29779	19.958	ug/l	97
82) 4-Chlorotoluene	12.85	91	298716	20.816	ug/l	100
83) tert-Butylbenzene	13.07	119	322666	20.987	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	366910	20.929	ug/l	99
85) sec-Butylbenzene	13.25	105	449478	21.271	ug/l	100
86) p-Isopropyltoluene	13.37	119	410550	20.808	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	208085	20.649	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	208265	20.875	ug/l	99
89) n-Butylbenzene	13.69	91	399078	21.504	ug/l	98
90) Hexachloroethane	13.96	117	77659	21.614	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	186433	21.081	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14236	21.748	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	130455	20.736	ug/l	99
94) Hexachlorobutadiene	15.11	225	91286	21.176	ug/l	99
95) Naphthalene	15.23	128	219148	21.077	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	105202	21.154	ug/l	99

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

