

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001025.D
 Acq On : 23 Dec 2019 14:01
 Operator : SY/MD
 Sample : VY1223SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:06:19 AM

Quant Time: Dec 24 04:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	349770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	603924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	534153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	172460	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.73	113	172385	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.18	98	729972	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.48	95	241220	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	63014	20.675	ug/l	95
3) Chloromethane	2.12	50	81784	19.716	ug/l	99
4) Vinyl Chloride	2.25	62	77797	19.312	ug/l	96
5) Bromomethane	2.63	94	51980	19.553	ug/l	88
6) Chloroethane	2.79	64	48935	19.504	ug/l	91
7) Trichlorofluoromethane	3.13	101	112585	19.055	ug/l	95
8) Diethyl Ether	3.54	74	44483	18.443	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	74304	19.145	ug/l	96
10) Methyl Iodide	4.09	142	98487	18.366	ug/l	100
11) Tert butyl alcohol	4.96	59	36460	96.123	ug/l	99
12) 1,1-Dichloroethene	3.88	96	76037	19.351	ug/l	93
13) Acrolein	3.74	56	41104	87.461	ug/l	96
14) Allyl chloride	4.49	41	119247	19.535	ug/l	99
15) Acrylonitrile	5.18	53	115992	96.228	ug/l	99
16) Acetone	3.95	43	80484	101.273	ug/l	98
17) Carbon Disulfide	4.20	76	248506	19.354	ug/l	100
18) Methyl Acetate	4.49	43	58122	19.063	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	194699	19.198	ug/l	99
20) Methylene Chloride	4.72	84	98023	20.955	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	85973	19.742	ug/l	86
22) Diisopropyl ether	6.13	45	239691	19.426	ug/l	97
23) Vinyl Acetate	6.07	43	741749	95.191	ug/l	99
24) 1,1-Dichloroethane	6.04	63	139629	19.150	ug/l	99
25) 2-Butanone	7.00	43	135100	96.768	ug/l	96
26) 2,2-Dichloropropane	6.99	77	115911	19.349	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	94358	19.722	ug/l	100
28) Bromochloromethane	7.35	49	50817	17.862	ug/l	99
29) Tetrahydrofuran	7.36	42	92663	93.307	ug/l	98
30) Chloroform	7.52	83	134764	19.546	ug/l	97
31) Cyclohexane	7.79	56	147273	19.208	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	114583	19.482	ug/l	100
36) 1,1-Dichloropropene	7.93	75	113821	19.756	ug/l	100
37) Ethyl Acetate	7.09	43	61445	19.261	ug/l	97
38) Carbon Tetrachloride	7.91	117	97759	19.367	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	153612	20.078	ug/l	98
40) Benzene	8.17	78	342255	19.691	ug/l	100
41) Methacrylonitrile	7.33	41	38550m	27.872	ug/l	
42) 1,2-Dichloroethane	8.25	62	81177	19.534	ug/l	99
43) Isopropyl Acetate	8.28	43	111952	18.957	ug/l	100
44) Trichloroethene	8.94	130	91090	19.890	ug/l	98
45) 1,2-Dichloropropane	9.22	63	85544	19.618	ug/l	100
46) Dibromomethane	9.31	93	43377	19.298	ug/l	98
47) Bromodichloromethane	9.50	83	100244	19.253	ug/l	99
48) Methyl methacrylate	9.30	41	46689	18.527	ug/l	94
49) 1,4-Dioxane	9.30	88	14254	433.508	ug/l	85
51) 4-Methyl-2-Pentanone	10.07	43	297203	96.557	ug/l	100
52) Toluene	10.24	92	211049	19.728	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	109758	19.424	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	132079	19.439	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	64811	19.314	ug/l	96
56) Ethyl methacrylate	10.51	69	91953	19.254	ug/l	99
57) 1,3-Dichloropropane	10.79	76	113710	19.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	185519	100.574	ug/l	100
59) 2-Hexanone	10.83	43	202806	95.223	ug/l	99
60) Dibromochloromethane	10.98	129	69665	19.436	ug/l	98
61) 1,2-Dibromoethane	11.09	107	61908	19.293	ug/l	99
64) Tetrachloroethene	10.72	164	95718	20.711	ug/l	98
65) Chlorobenzene	11.51	112	220533	19.904	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	73520	20.107	ug/l	97
67) Ethyl Benzene	11.59	91	402923	20.218	ug/l	98
68) m/p-Xylenes	11.70	106	301293	39.816	ug/l	99
69) o-Xylene	12.03	106	144578	20.309	ug/l	98
70) Styrene	12.04	104	242839	20.062	ug/l	99
71) Bromoform	12.20	173	39965	19.630	ug/l #	98
73) Isopropylbenzene	12.33	105	376630	19.735	ug/l	100
74) N-amyl acetate	12.14	43	96451	19.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	70838	18.842	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	58772m	19.331	ug/l	
77) Bromobenzene	12.60	156	83055	19.351	ug/l	97
78) n-propylbenzene	12.67	91	465264	20.008	ug/l	99
79) 2-Chlorotoluene	12.75	91	251109	19.554	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	312752	19.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	26327	18.469	ug/l	97
82) 4-Chlorotoluene	12.85	91	262236	19.660	ug/l	100
83) tert-Butylbenzene	13.07	119	263061	20.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	313428	19.939	ug/l	99
85) sec-Butylbenzene	13.25	105	394152	20.360	ug/l	100
86) p-Isopropyltoluene	13.36	119	340328	20.317	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	164122	19.910	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	167094	20.094	ug/l	99
89) n-Butylbenzene	13.69	91	344164	20.421	ug/l	99
90) Hexachloroethane	13.95	117	63512	20.125	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	149222	19.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	11579	18.408	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	104465	20.353	ug/l	100
94) Hexachlorobutadiene	15.11	225	51657	21.150	ug/l	99
95) Naphthalene	15.23	128	239807	19.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	94154	20.570	ug/l	97

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

