

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001022.D
 Acq On : 23 Dec 2019 12:26
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:06:05 AM

Quant Time: Dec 24 04:47:04 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	347366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	530508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	242254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	176463	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	7.72	113	183117	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.18	98	762200	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
62) 4-Bromofluorobenzene	12.48	95	249633	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	148107	48.931	ug/l	96
3) Chloromethane	2.12	50	197055	47.834	ug/l	96
4) Vinyl Chloride	2.26	62	192224	48.048	ug/l	99
5) Bromomethane	2.65	94	121941	48.373	ug/l	100
6) Chloroethane	2.79	64	119650	48.018	ug/l	97
7) Trichlorofluoromethane	3.13	101	285709	48.690	ug/l	95
8) Diethyl Ether	3.54	74	114648	47.864	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	188671	48.948	ug/l	98
10) Methyl Iodide	4.09	142	267920	50.308	ug/l	99
11) Tert butyl alcohol	4.96	59	85411	226.736	ug/l	99
12) 1,1-Dichloroethene	3.88	96	195683	50.144	ug/l	92
13) Acrolein	3.74	56	117359	251.443	ug/l	99
14) Allyl chloride	4.49	41	291446	48.075	ug/l	99
15) Acrylonitrile	5.17	53	287954	240.542	ug/l	99
16) Acetone	3.96	43	177833	225.317	ug/l	100
17) Carbon Disulfide	4.19	76	637444	49.988	ug/l	98
18) Methyl Acetate	4.48	43	135809	44.851	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	486605	48.312	ug/l	95
20) Methylene Chloride	4.72	84	230117	49.534	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	218463	50.514	ug/l	97
22) Diisopropyl ether	6.13	45	568238	46.373	ug/l	99
23) Vinyl Acetate	6.07	43	1834223	237.021	ug/l	100
24) 1,1-Dichloroethane	6.02	63	345323	47.688	ug/l	100
25) 2-Butanone	6.99	43	316520	228.283	ug/l	95
26) 2,2-Dichloropropane	6.99	77	282934	47.557	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	230328	48.476	ug/l	99
28) Bromochloromethane	7.34	49	144557	51.164	ug/l	96
29) Tetrahydrofuran	7.35	42	227031	230.192	ug/l	98
30) Chloroform	7.52	83	330274	48.235	ug/l	100
31) Cyclohexane	7.79	56	353460	46.420	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	285010	48.795	ug/l	98
36) 1,1-Dichloropropene	7.93	75	282831	49.514	ug/l	99
37) Ethyl Acetate	7.08	43	152458	48.202	ug/l	99
38) Carbon Tetrachloride	7.91	117	251400	50.233	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	391097	51.558	ug/l	97
40) Benzene	8.17	78	855216	49.627	ug/l	99
41) Methacrylonitrile	7.32	41	60120m	43.842	ug/l	
42) 1,2-Dichloroethane	8.24	62	202431	49.133	ug/l	100
43) Isopropyl Acetate	8.28	43	281606	48.096	ug/l	99
44) Trichloroethene	8.94	130	223492	49.222	ug/l	100
45) 1,2-Dichloropropane	9.22	63	209110	48.370	ug/l	99
46) Dibromomethane	9.31	93	110614	49.635	ug/l	99
47) Bromodichloromethane	9.50	83	255687	49.532	ug/l	98
48) Methyl methacrylate	9.30	41	119368	47.775	ug/l	95
49) 1,4-Dioxane	9.30	88	31843	976.784	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	724649	237.455	ug/l	100
52) Toluene	10.24	92	529256	49.898	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	281705	50.283	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	332893	49.416	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	163273	49.076	ug/l	94
56) Ethyl methacrylate	10.51	69	239945	50.674	ug/l	98
57) 1,3-Dichloropropane	10.79	76	280881	48.166	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	434124	237.375	ug/l	99
59) 2-Hexanone	10.83	43	512941	242.913	ug/l	99
60) Dibromochloromethane	10.99	129	180442	50.775	ug/l	100
61) 1,2-Dibromoethane	11.09	107	157778	49.593	ug/l	100
64) Tetrachloroethene	10.72	164	228338	49.745	ug/l	99
65) Chlorobenzene	11.52	112	544288	49.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	183887	50.637	ug/l	98
67) Ethyl Benzene	11.59	91	997309	50.386	ug/l	99
68) m/p-Xylenes	11.70	106	756645	100.679	ug/l	100
69) o-Xylene	12.03	106	359994	50.917	ug/l	99
70) Styrene	12.04	104	617437	51.359	ug/l	99
71) Bromoform	12.20	173	104600	51.729	ug/l #	99
73) Isopropylbenzene	12.33	105	949773	50.663	ug/l	99
74) N-amyl acetate	12.14	43	244037	49.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	180779	48.950	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	123796m	41.452	ug/l	
77) Bromobenzene	12.61	156	210978	50.040	ug/l	99
78) n-propylbenzene	12.67	91	1162233	50.879	ug/l	99
79) 2-Chlorotoluene	12.75	91	628602	49.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	786301	51.170	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71309	50.924	ug/l	99
82) 4-Chlorotoluene	12.85	91	648209	49.471	ug/l	100
83) tert-Butylbenzene	13.07	119	651563	50.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	775160	50.199	ug/l	100
85) sec-Butylbenzene	13.25	105	964925	50.742	ug/l	99
86) p-Isopropyltoluene	13.36	119	845279	51.370	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	413181	51.025	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	411539	50.380	ug/l	99
89) n-Butylbenzene	13.69	91	850191	51.355	ug/l	99
90) Hexachloroethane	13.95	117	160660	51.824	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	374092	50.082	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	30144	48.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	260732	51.714	ug/l	99
94) Hexachlorobutadiene	15.11	225	122407	51.019	ug/l	100
95) Naphthalene	15.23	128	615790	51.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	234742	52.208	ug/l	98

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

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