

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001176.D
 Acq On : 13 Jan 2020 13:26
 Operator : SY/MD
 Sample : L1046-12MS
 Misc : 7.61G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-04-0-2MS

Manual Integrations
 APPROVED

apatel
 1/14/2020 12:47:25 PM

Quant Time: Jan 14 10:50:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	190077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	330731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	287763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	127231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	98370	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.73	113	96078	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.18	98	394861	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.48	95	143509	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	76439	52.363	ug/l	99
3) Chloromethane	2.12	50	112213	53.329	ug/l	99
4) Vinyl Chloride	2.25	62	116470	54.944	ug/l	97
5) Bromomethane	2.65	94	71616	62.895	ug/l	98
6) Chloroethane	2.80	64	71177	58.120	ug/l	95
7) Trichlorofluoromethane	3.13	101	145396	49.276	ug/l	98
8) Diethyl Ether	3.54	74	57636	50.269	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	95204	50.126	ug/l	99
10) Methyl Iodide	4.10	142	134177	51.613	ug/l	100
11) Tert butyl alcohol	4.96	59	41429	205.108	ug/l	98
12) 1,1-Dichloroethene	3.88	96	100255	51.594	ug/l	95
13) Acrolein	3.74	56	25064	137.837	ug/l	96
14) Allyl chloride	4.49	41	168478	51.372	ug/l	99
15) Acrylonitrile	5.18	53	132212	230.571	ug/l	99
16) Acetone	3.96	43	103590	222.184	ug/l	92
17) Carbon Disulfide	4.20	76	315847	50.222	ug/l	99
18) Methyl Acetate	4.49	43	110560	71.723	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	264866	49.278	ug/l	98
20) Methylene Chloride	4.72	84	111549	51.506	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	113582	51.551	ug/l	96
22) Diisopropyl ether	6.13	45	337804	50.431	ug/l	94
23) Vinyl Acetate	6.07	43	529208	123.534	ug/l	99
24) 1,1-Dichloroethane	6.03	63	191115	52.116	ug/l	99
25) 2-Butanone	7.00	43	168246	231.863	ug/l	98
26) 2,2-Dichloropropane	6.99	77	164823	48.877	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	126358	52.338	ug/l	98
28) Bromochloromethane	7.35	49	76528	50.820	ug/l	99
29) Tetrahydrofuran	7.36	42	114389	230.032	ug/l	99
30) Chloroform	7.52	83	185840	51.721	ug/l	99
31) Cyclohexane	7.79	56	184538	47.528	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	161777	50.744	ug/l	99
36) 1,1-Dichloropropene	7.92	75	150180	49.821	ug/l	100
37) Ethyl Acetate	7.08	43	68780	38.879	ug/l	98
38) Carbon Tetrachloride	7.91	117	139809	50.608	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	191986	46.978	ug/l	98
40) Benzene	8.17	78	460683	52.355	ug/l	100
41) Methacrylonitrile	7.33	41	44646m	53.725	ug/l	
42) 1,2-Dichloroethane	8.24	62	123196	50.001	ug/l	99
43) Isopropyl Acetate	8.28	43	151405	44.757	ug/l	99
44) Trichloroethene	8.94	130	119039	51.918	ug/l	97
45) 1,2-Dichloropropane	9.22	63	114171	52.484	ug/l	96
46) Dibromomethane	9.31	93	59326	49.984	ug/l	100
47) Bromodichloromethane	9.50	83	146723	50.723	ug/l	100
48) Methyl methacrylate	9.30	41	77402	49.444	ug/l	99
49) 1,4-Dioxane	9.30	88	14347	992.566	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	398133	231.946	ug/l	100
52) Toluene	10.24	92	292483	52.116	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	160535	49.596	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	185754	50.900	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	89255	50.725	ug/l	98
56) Ethyl methacrylate	10.51	69	119145	44.265	ug/l	98
57) 1,3-Dichloropropane	10.79	76	153176	50.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	207853	219.563	ug/l	100
59) 2-Hexanone	10.83	43	286529	238.184	ug/l	99
60) Dibromochloromethane	10.99	129	102555	50.621	ug/l	100
61) 1,2-Dibromoethane	11.09	107	82933	48.269	ug/l	99
64) Tetrachloroethene	10.72	164	91857	49.519	ug/l	98
65) Chlorobenzene	11.52	112	296131	51.501	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	104931	52.948	ug/l	99
67) Ethyl Benzene	11.59	91	545748	51.885	ug/l	99
68) m/p-Xylenes	11.70	106	413483	104.207	ug/l	100
69) o-Xylene	12.03	106	198348	52.138	ug/l	100
70) Styrene	12.04	104	341790	51.204	ug/l	98
71) Bromoform	12.20	173	60993	49.906	ug/l #	99
73) Isopropylbenzene	12.33	105	521814	54.555	ug/l	100
74) N-amyl acetate	12.14	43	117942	39.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	106213	52.780	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	70896m	52.052	ug/l	
77) Bromobenzene	12.61	156	114316	54.089	ug/l	97
78) n-propylbenzene	12.67	91	613996	53.367	ug/l	99
79) 2-Chlorotoluene	12.75	91	353541	53.507	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	431965	54.126	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	40962	51.000	ug/l #	97
82) 4-Chlorotoluene	12.85	91	367884	52.153	ug/l	98
83) tert-Butylbenzene	13.07	119	359671	53.635	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	428413	54.056	ug/l	99
85) sec-Butylbenzene	13.25	105	497605	51.580	ug/l	99
86) p-Isopropyltoluene	13.37	119	440172	52.551	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	208538	52.173	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	209062	50.821	ug/l	99
89) n-Butylbenzene	13.69	91	406255	48.156	ug/l	99
90) Hexachloroethane	13.96	117	86207	52.673	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	193278	52.030	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17457	48.090	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	102936	42.057	ug/l	100
94) Hexachlorobutadiene	15.11	225	45721	37.081	ug/l	97
95) Naphthalene	15.23	128	244442	42.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	87875	40.739	ug/l	99

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

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