

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001165.D
 Acq On : 10 Jan 2020 22:07
 Operator : SY/MD
 Sample : L1046-13MSD
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:30 PM

Quant Time: Jan 13 01:25:34 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	5007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	8786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	8673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	4156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	4179	79.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.04%	
35) Dibromofluoromethane	7.72	113	3152	61.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.54%	
50) Toluene-d8	10.18	98	11225	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	
62) 4-Bromofluorobenzene	12.48	95	4624	57.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	2094	54.456	ug/l	96
3) Chloromethane	2.11	50	3262	58.852	ug/l	92
4) Vinyl Chloride	2.26	62	2971	53.206	ug/l	93
5) Bromomethane	2.66	94	1202	40.074	ug/l #	77
6) Chloroethane	2.80	64	1945	60.291	ug/l #	87
7) Trichlorofluoromethane	3.13	101	4177	53.740	ug/l	95
8) Diethyl Ether	3.54	74	2587	85.656	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	2617	52.308	ug/l	95
10) Methyl Iodide	4.11	142	3560	51.985	ug/l	97
11) Tert butyl alcohol	4.96	59	2944	553.310	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	2903	56.715	ug/l	95
13) Acrolein	3.73	56	782	163.258	ug/l #	72
14) Allyl chloride	4.49	41	5981	69.233	ug/l #	76
15) Acrylonitrile	5.18	53	7650	506.463	ug/l	98
16) Acetone	3.95	43	9092	740.296	ug/l	99
17) Carbon Disulfide	4.19	76	8015	48.380	ug/l	96
18) Methyl Acetate	4.48	43	7039	173.349	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	12347	87.205	ug/l	98
20) Methylene Chloride	4.72	84	4084	74.007	ug/l #	93
21) trans-1,2-Dichloroethene	5.24	96	3192	54.997	ug/l	94
22) Diisopropyl ether	6.13	45	11304	64.064	ug/l #	89
23) Vinyl Acetate	6.07	43	3247m	28.774	ug/l	
24) 1,1-Dichloroethane	6.03	63	5470	56.626	ug/l	94
25) 2-Butanone	7.00	43	11538	603.627	ug/l #	84
26) 2,2-Dichloropropane	6.99	77	3786	42.621	ug/l	87
27) cis-1,2-Dichloroethene	7.00	96	3934	61.859	ug/l	91
28) Bromochloromethane	7.35	49	3280	82.688	ug/l #	97
29) Tetrahydrofuran	7.36	42	7521	574.158	ug/l	98
30) Chloroform	7.52	83	5964	63.011	ug/l	97
31) Cyclohexane	7.80	56	5316	51.976	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	4519	53.810	ug/l	97
36) 1,1-Dichloropropene	7.93	75	4012	50.101	ug/l	90
37) Ethyl Acetate	7.08	43	3040	64.686	ug/l	98
38) Carbon Tetrachloride	7.91	117	3554	48.427	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	5688	52.393	ug/l	92
40) Benzene	8.17	78	13205	56.490	ug/l	91
41) Methacrylonitrile	7.32	41	2552m	115.601	ug/l	
42) 1,2-Dichloroethane	8.24	62	5066	77.398	ug/l	93
43) Isopropyl Acetate	8.28	43	7623	84.826	ug/l	99
44) Trichloroethene	8.94	130	3786	62.157	ug/l	83
45) 1,2-Dichloropropane	9.22	63	3766	65.168	ug/l	99
46) Dibromomethane	9.32	93	2505	79.446	ug/l	92
47) Bromodichloromethane	9.50	83	5492	71.470	ug/l	95
48) Methyl methacrylate	9.30	41	4333	104.193	ug/l	94
49) 1,4-Dioxane	9.30	88	1071	2789.147	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	22342	489.965	ug/l	99
52) Toluene	10.24	92	7913	53.075	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	5155	59.950	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	6086	62.776	ug/l #	84
55) 1,1,2-Trichloroethane	10.64	97	3974	85.016	ug/l	94
56) Ethyl methacrylate	10.51	69	4864	68.025	ug/l	97
57) 1,3-Dichloropropane	10.79	76	6386	79.579	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	3917	155.755	ug/l	97
59) 2-Hexanone	10.83	43	15756	493.031	ug/l	99
60) Dibromochloromethane	10.99	129	3947	73.337	ug/l	100
61) 1,2-Dibromoethane	11.09	107	3492	76.507	ug/l	90
64) Tetrachloroethene	10.72	164	3593	64.266	ug/l	98
65) Chlorobenzene	11.52	112	9189	53.023	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	3354	56.153	ug/l	96
67) Ethyl Benzene	11.59	91	15123	47.703	ug/l	95
68) m/p-Xylenes	11.70	106	11253	94.097	ug/l	100
69) o-Xylene	12.03	106	5720	49.887	ug/l	98
70) Styrene	12.04	104	9933	49.373	ug/l	98
71) Bromoform	12.20	173	2581	70.069	ug/l #	93
73) Isopropylbenzene	12.33	105	14655	46.905	ug/l	100
74) N-amyl acetate	12.14	43	3529	36.193	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	5297	80.582	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	3917m	88.042	ug/l	
77) Bromobenzene	12.61	156	3678	53.276	ug/l	98
78) n-propylbenzene	12.67	91	16759	44.594	ug/l	99
79) 2-Chlorotoluene	12.75	91	10052	46.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	11855	45.476	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	983	37.468	ug/l #	98
82) 4-Chlorotoluene	12.85	91	10160	44.094	ug/l	99
83) tert-Butylbenzene	13.07	119	10397	47.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	12372	47.790	ug/l	98
85) sec-Butylbenzene	13.25	105	14019	44.487	ug/l	99
86) p-Isopropyltoluene	13.37	119	12114	44.276	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	6002	45.970	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	6585	49.005	ug/l	98
89) n-Butylbenzene	13.69	91	11190	40.607	ug/l	97
90) Hexachloroethane	13.95	117	1851	34.623	ug/l	95
91) 1,2-Dichlorobenzene	13.73	146	6710	55.298	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	646	54.480	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	2783	34.810	ug/l	83
94) Hexachlorobutadiene	15.11	225	1583	39.303	ug/l	97
95) Naphthalene	15.23	128	8452	45.411	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	2814	39.938	ug/l	92

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

