

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001177.D
 Acq On : 13 Jan 2020 13:48
 Operator : SY/MD
 Sample : L1046-13MSD
 Misc : 8.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

apatel
 1/14/2020 12:47:29 PM

Quant Time: Jan 14 11:05:09 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	8392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	13613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	11951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	4973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	4156	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.73	113	3881	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.18	98	15400	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.48	95	5531	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	3348	51.947	ug/l	97
3) Chloromethane	2.12	50	4949	53.273	ug/l	94
4) Vinyl Chloride	2.26	62	4719	50.422	ug/l	91
5) Bromomethane	2.66	94	1884	37.476	ug/l	81
6) Chloroethane	2.80	64	3582	66.248	ug/l #	84
7) Trichlorofluoromethane	3.14	101	6635	50.932	ug/l	94
8) Diethyl Ether	3.53	74	2508	49.545	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.91	101	4278	51.017	ug/l	98
10) Methyl Iodide	4.11	142	5975	52.057	ug/l	98
11) Tert butyl alcohol	4.96	59	2401	269.237	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	4604	53.666	ug/l	86
13) Acrolein	3.75	56	1314m	163.672	ug/l	
14) Allyl chloride	4.49	41	7138	49.298	ug/l	94
15) Acrylonitrile	5.18	53	6651	262.715	ug/l	99
16) Acetone	3.96	43	8127	394.810	ug/l	98
17) Carbon Disulfide	4.21	76	13416	48.317	ug/l	100
18) Methyl Acetate	4.49	43	5299	77.860	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	12492	52.641	ug/l	97
20) Methylene Chloride	4.72	84	5189	54.601	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	4866	50.022	ug/l #	92
22) Diisopropyl ether	6.13	45	14820	50.112	ug/l #	90
23) Vinyl Acetate	6.08	43	14801m	78.255	ug/l	
24) 1,1-Dichloroethane	6.04	63	8219	50.765	ug/l	93
25) 2-Butanone	7.00	43	10405	324.782	ug/l	97
26) 2,2-Dichloropropane	7.00	77	5993	40.253	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	5614	52.668	ug/l	92
28) Bromochloromethane	7.35	49	3684	55.412	ug/l	100
29) Tetrahydrofuran	7.36	42	6383	290.732	ug/l	97
30) Chloroform	7.52	83	7979	50.297	ug/l #	83
31) Cyclohexane	7.79	56	8503	49.602	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	7106	50.484	ug/l	96
36) 1,1-Dichloropropene	7.93	75	6531	52.638	ug/l	98
37) Ethyl Acetate	7.09	43	3410	46.830	ug/l #	93
38) Carbon Tetrachloride	7.91	117	5716	50.269	ug/l #	97

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

39) Methylcyclohexane	9.19	83	8576	50.984	ug/l	98
40) Benzene	8.17	78	19272	53.211	ug/l	99
41) Methacrylonitrile	7.33	41	2663	77.855	ug/l #	47
42) 1,2-Dichloroethane	8.24	62	5343	52.685	ug/l	95
43) Isopropyl Acetate	8.28	43	7637	54.848	ug/l	98
44) Trichloroethene	8.95	130	5366	56.859	ug/l	94
45) 1,2-Dichloropropane	9.22	63	5059	56.501	ug/l	92
46) Dibromomethane	9.32	93	2729	55.861	ug/l	98
47) Bromodichloromethane	9.50	83	6279	52.738	ug/l	91
48) Methyl methacrylate	9.30	41	3312	51.402	ug/l	91
49) 1,4-Dioxane	9.30	88	1027	1726.195	ug/l #	72
51) 4-Methyl-2-Pentanone	10.07	43	20156	285.289	ug/l	98
52) Toluene	10.24	92	11860	51.342	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	5397	40.509	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	7015	46.701	ug/l #	89
55) 1,1,2-Trichloroethane	10.64	97	4044	55.837	ug/l #	84
56) Ethyl methacrylate	10.51	69	5487	49.527	ug/l	96
57) 1,3-Dichloropropane	10.79	76	6800	54.691	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	2421	62.133	ug/l	99
59) 2-Hexanone	10.83	43	13745	277.594	ug/l	98
60) Dibromochloromethane	10.99	129	4301	51.578	ug/l	97
61) 1,2-Dibromoethane	11.09	107	3837	54.257	ug/l	92
64) Tetrachloroethene	10.72	164	4864	63.137	ug/l	90
65) Chlorobenzene	11.52	112	12488	52.295	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	4294	52.172	ug/l	100
67) Ethyl Benzene	11.59	91	22214	50.851	ug/l	99
68) m/p-Xylenes	11.70	106	17423	105.729	ug/l	91
69) o-Xylene	12.03	106	7925	50.159	ug/l	100
70) Styrene	12.04	104	13350	48.157	ug/l	97
71) Bromoform	12.20	173	2594	51.106	ug/l #	96
73) Isopropylbenzene	12.33	105	20891	55.880	ug/l	99
74) N-amyl acetate	12.14	43	4505	38.612	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	4724	60.058	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	3663m	68.806	ug/l	
77) Bromobenzene	12.61	156	4691	56.786	ug/l	90
78) n-propylbenzene	12.67	91	24233	53.888	ug/l	99
79) 2-Chlorotoluene	12.75	91	13301	51.502	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	16439	52.700	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	671	21.374	ug/l #	98
82) 4-Chlorotoluene	12.85	91	13546	49.131	ug/l	98
83) tert-Butylbenzene	13.07	119	14834	56.594	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	16679	53.842	ug/l	98
85) sec-Butylbenzene	13.25	105	19624	52.043	ug/l	97
86) p-Isopropyltoluene	13.37	119	17486	53.410	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	8204	52.513	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	8230	51.185	ug/l	98
89) n-Butylbenzene	13.69	91	16227	49.211	ug/l	98
90) Hexachloroethane	13.96	117	2435	38.064	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	7782	53.596	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	623	43.909	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	3873	40.485	ug/l	99
94) Hexachlorobutadiene	15.11	225	2085	43.262	ug/l	98
95) Naphthalene	15.23	128	8524	38.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	3238	38.405	ug/l	99

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

