

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000039.D
 Acq On : 13 Sep 2019 12:02
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Quant Time: Sep 19 12:12:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:58:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	119465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	234241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	199921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	85434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	66788	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	
35) Dibromofluoromethane	7.72	113	66291	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
50) Toluene-d8	10.18	98	275655	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.48	95	92828	47.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4276	4.854	ug/l	85
3) Chloromethane	2.11	50	8195	5.378	ug/l #	87
4) Vinyl Chloride	2.25	62	5603	4.194	ug/l	98
5) Bromomethane	2.63	94	4523	5.327	ug/l #	57
6) Chloroethane	2.78	64	3740	4.205	ug/l #	70
7) Trichlorofluoromethane	3.12	101	7341	4.229	ug/l	97
8) Diethyl Ether	3.54	74	2985	4.184	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4750	4.021	ug/l #	82
10) Methyl Iodide	4.09	142	3718	2.878	ug/l #	92
11) Tert butyl alcohol	4.96	59	3263m	19.944	ug/l	
12) 1,1-Dichloroethene	3.87	96	5093	4.626	ug/l	81
13) Acrolein	3.73	56	2299	18.731	ug/l	85
14) Allyl chloride	4.49	41	6344	3.711	ug/l	96
15) Acrylonitrile	5.17	53	7979	17.628	ug/l #	95
16) Acetone	3.95	43	6236	17.475	ug/l	95
17) Carbon Disulfide	4.18	76	10244	4.621	ug/l #	95
18) Methyl Acetate	4.48	43	4534	4.516	ug/l #	86
19) Methyl tert-butyl Ether	5.23	73	12001	3.599	ug/l #	74
20) Methylene Chloride	4.71	84	7750	5.448	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	4545	3.728	ug/l #	87
22) Diisopropyl ether	6.12	45	13290	3.522	ug/l #	95
23) Vinyl Acetate	6.07	43	45033	17.251	ug/l #	92
24) 1,1-Dichloroethane	6.01	63	8134	3.637	ug/l	96
25) 2-Butanone	7.00	43	10175	17.544	ug/l #	85
26) 2,2-Dichloropropane	6.99	77	9581	4.612	ug/l	79
27) cis-1,2-Dichloroethene	6.99	96	6009	3.907	ug/l	88
28) Bromochloromethane	7.34	49	3670	3.574	ug/l #	99
29) Tetrahydrofuran	7.35	42	5748	16.660	ug/l #	59
30) Chloroform	7.51	83	8596	3.728	ug/l	88
31) Cyclohexane	7.77	56	9440	5.065	ug/l #	86
32) 1,1,1-Trichloroethane	7.71	97	6292	3.326	ug/l	95
36) 1,1-Dichloropropene	7.92	75	6712	3.903	ug/l	95
37) Ethyl Acetate	7.09	43	4948	4.266	ug/l #	78
38) Carbon Tetrachloride	7.90	117	5383	3.316	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	8402	3.954	ug/l	90
40) Benzene	8.16	78	19687	3.516	ug/l	98
41) Methacrylonitrile	7.31	41	1734	2.570	ug/l #	66
42) 1,2-Dichloroethane	8.23	62	5290	3.697	ug/l	95
43) Isopropyl Acetate	8.27	43	7401	3.293	ug/l	93
44) Trichloroethene	8.93	130	5120	3.662	ug/l	95
45) 1,2-Dichloropropane	9.21	63	5353	3.708	ug/l	98
46) Dibromomethane	9.31	93	2715	3.388	ug/l	90
47) Bromodichloromethane	9.49	83	6332	3.310	ug/l	97
48) Methyl methacrylate	9.29	41	3471	3.500	ug/l	96
49) 1,4-Dioxane	9.29	88	1093	65.134	ug/l #	70
51) 4-Methyl-2-Pentanone	10.07	43	19998	15.880	ug/l	97
52) Toluene	10.24	92	12772	3.630	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	7189	3.575	ug/l #	87
54) cis-1,3-Dichloropropene	9.92	75	8014	3.425	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	4274	3.366	ug/l	87
56) Ethyl methacrylate	10.51	69	5618	3.153	ug/l	94
57) 1,3-Dichloropropane	10.79	76	6613	3.256	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.78	63	15450	15.827	ug/l	94
59) 2-Hexanone	10.84	43	14383	15.849	ug/l	99
60) Dibromochloromethane	10.98	129	4488	3.354	ug/l	100
61) 1,2-Dibromoethane	11.09	107	3907	3.484	ug/l	95
64) Tetrachloroethene	10.72	164	4734	3.861	ug/l	93
65) Chlorobenzene	11.51	112	12385	3.251	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	4071	3.084	ug/l	92
67) Ethyl Benzene	11.59	91	23242	3.358	ug/l	96
68) m/p-Xylenes	11.70	106	18030	6.904	ug/l	98
69) o-Xylene	12.03	106	9076	3.546	ug/l	93
70) Styrene	12.04	104	15254	3.426	ug/l	96
71) Bromoform	12.21	173	2262	2.838	ug/l #	96
73) Isopropylbenzene	12.32	105	21412	3.280	ug/l	94
74) N-amyl acetate	12.14	43	6134	3.183	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	5006	3.207	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	3416m	2.879	ug/l	
77) Bromobenzene	12.60	156	4729	3.425	ug/l	99
78) n-propylbenzene	12.66	91	28325	3.551	ug/l	95
79) 2-Chlorotoluene	12.75	91	15414	3.455	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	18744	3.439	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	2026	3.387	ug/l #	94
82) 4-Chlorotoluene	12.85	91	15585	3.329	ug/l	98
83) tert-Butylbenzene	13.07	119	15582	3.327	ug/l	93
84) 1,2,4-Trimethylbenzene	13.12	105	17380	3.228	ug/l	94
85) sec-Butylbenzene	13.25	105	23584	3.412	ug/l	97
86) p-Isopropyltoluene	13.37	119	19662	3.354	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	9506	3.421	ug/l	93
88) 1,4-Dichlorobenzene	13.44	146	9226	3.299	ug/l	89
89) n-Butylbenzene	13.69	91	20570	3.462	ug/l	96
90) Hexachloroethane	13.95	117	3728	3.182	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	8607	3.328	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1266	4.172	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	5477	3.319	ug/l	90
94) Hexachlorobutadiene	15.10	225	2557	3.378	ug/l	96
95) Naphthalene	15.22	128	13942	3.088	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	4532	3.059	ug/l	93

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

