

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000067.D
 Acq On : 18 Sep 2019 17:49
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:35 AM

Quant Time: Sep 19 05:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:25:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	98868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	197690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	173598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	72763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	60454	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.73	113	57430	47.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.18	98	240870	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.48	95	84764	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	3784	4.899	ug/l	84
3) Chloromethane	2.11	50	6755	5.967	ug/l	92
4) Vinyl Chloride	2.25	62	5604	5.080	ug/l	93
5) Bromomethane	2.63	94	3865	5.384	ug/l	95
6) Chloroethane	2.78	64	4039	5.462	ug/l #	86
7) Trichlorofluoromethane	3.12	101	7445	4.881	ug/l	88
8) Diethyl Ether	3.53	74	3088	4.728	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4841	4.626	ug/l	99
10) Methyl Iodide	4.09	142	4664	4.286	ug/l #	94
11) Tert butyl alcohol	4.98	59	3658	27.126	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	4358	4.518	ug/l	97
13) Acrolein	3.74	56	1925m	24.221	ug/l	
14) Allyl chloride	4.47	41	7401	5.020	ug/l	100
15) Acrylonitrile	5.17	53	9315	23.785	ug/l	99
16) Acetone	3.95	43	8162	30.818	ug/l	95
17) Carbon Disulfide	4.19	76	10893	5.800	ug/l #	94
18) Methyl Acetate	4.49	43	4745	5.363	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	13443	4.459	ug/l	94
20) Methylene Chloride	4.71	84	8170	6.558	ug/l	88
21) trans-1,2-Dichloroethene	5.22	96	5425	5.059	ug/l	93
22) Diisopropyl ether	6.13	45	15404	4.624	ug/l #	82
23) Vinyl Acetate	6.06	43	47025	21.092	ug/l	100
24) 1,1-Dichloroethane	6.02	63	9365	4.750	ug/l	96
25) 2-Butanone	6.99	43	11655	24.296	ug/l	92
26) 2,2-Dichloropropane	6.99	77	10085	5.420	ug/l	88
27) cis-1,2-Dichloroethene	6.99	96	6617	4.874	ug/l	92
28) Bromochloromethane	7.34	49	4783	5.233	ug/l #	90
29) Tetrahydrofuran	7.35	42	6624	23.002	ug/l	94
30) Chloroform	7.51	83	9669	4.752	ug/l	97
31) Cyclohexane	7.79	56	10566	6.579	ug/l #	75
32) 1,1,1-Trichloroethane	7.70	97	7758	4.694	ug/l	98
36) 1,1-Dichloropropene	7.92	75	6824	4.616	ug/l	96
37) Ethyl Acetate	7.09	43	4692	4.762	ug/l	97
38) Carbon Tetrachloride	7.90	117	6097	4.370	ug/l	84

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

39) Methylcyclohexane	9.18	83	8640	4.753	ug/l #	93
40) Benzene	8.16	78	22358	4.579	ug/l	97
41) Methacrylonitrile	7.31	41	2098	3.531	ug/l #	53
42) 1,2-Dichloroethane	8.24	62	5575	4.311	ug/l	96
43) Isopropyl Acetate	8.28	43	8481	4.401	ug/l	92
44) Trichloroethene	8.94	130	5221	4.186	ug/l	98
45) 1,2-Dichloropropane	9.22	63	6299	4.981	ug/l	100
46) Dibromomethane	9.31	93	3109	4.501	ug/l	88
47) Bromodichloromethane	9.50	83	7766	4.633	ug/l	98
48) Methyl methacrylate	9.29	41	4095	4.832	ug/l	94
49) 1,4-Dioxane	9.31	88	1147	85.518	ug/l #	80
51) 4-Methyl-2-Pentanone	10.07	43	23243	22.092	ug/l	99
52) Toluene	10.24	92	14502	4.675	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	7442	4.187	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	8979	4.375	ug/l #	90
55) 1,1,2-Trichloroethane	10.64	97	4797	4.429	ug/l	91
56) Ethyl methacrylate	10.51	69	6570	4.263	ug/l	95
57) 1,3-Dichloropropane	10.79	76	7898	4.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	19519	23.430	ug/l	98
59) 2-Hexanone	10.83	43	15698	20.914	ug/l	92
60) Dibromochloromethane	10.99	129	4915	4.332	ug/l	90
61) 1,2-Dibromoethane	11.09	107	4653	4.704	ug/l	96
64) Tetrachloroethene	10.71	164	5094	4.675	ug/l	82
65) Chlorobenzene	11.51	112	14181	4.130	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4820	4.151	ug/l	96
67) Ethyl Benzene	11.59	91	26863	4.384	ug/l	99
68) m/p-Xylenes	11.70	106	21188	9.087	ug/l	99
69) o-Xylene	12.02	106	9217	4.082	ug/l	90
70) Styrene	12.04	104	16623	4.194	ug/l	98
71) Bromoform	12.20	173	2553	3.798	ug/l #	97
73) Isopropylbenzene	12.32	105	26260	4.478	ug/l	98
74) N-amyl acetate	12.14	43	7256	4.343	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	6633	4.805	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	4001m	3.908	ug/l	
77) Bromobenzene	12.60	156	5706	4.660	ug/l	96
78) n-propylbenzene	12.67	91	32349	4.522	ug/l	97
79) 2-Chlorotoluene	12.75	91	17887	4.473	ug/l	93
80) 1,3,5-Trimethylbenzene	12.80	105	21217	4.368	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	2296	4.313	ug/l	92
82) 4-Chlorotoluene	12.85	91	18278	4.420	ug/l	98
83) tert-Butylbenzene	13.07	119	18644	4.486	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	20833	4.350	ug/l	100
85) sec-Butylbenzene	13.25	105	27809	4.529	ug/l	99
86) p-Isopropyltoluene	13.37	119	22849	4.390	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	10320	4.249	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	11412	4.676	ug/l	94
89) n-Butylbenzene	13.69	91	23678	4.422	ug/l	97
90) Hexachloroethane	13.96	117	4382	4.285	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	9973	4.370	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1266	5.151	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5781	4.198	ug/l	95
94) Hexachlorobutadiene	15.10	225	2561	3.874	ug/l	94
95) Naphthalene	15.23	128	16994	4.347	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5325	4.052	ug/l	97

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

