

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000065.D
 Acq On : 18 Sep 2019 17:04
 Operator : SY/MD
 Sample : MDL1
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:31 AM

Quant Time: Sep 19 05:29:45 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	99867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	201130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	174625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	73857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	60924	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.72	113	58963	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.18	98	243765	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.48	95	83450	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	3600	4.614	ug/l	80
3) Chloromethane	2.11	50	7407	6.477	ug/l	97
4) Vinyl Chloride	2.25	62	5762	5.171	ug/l	98
5) Bromomethane	2.64	94	4774	6.584	ug/l #	64
6) Chloroethane	2.78	64	4108	5.500	ug/l	99
7) Trichlorofluoromethane	3.12	101	7674	4.981	ug/l	94
8) Diethyl Ether	3.53	74	3308	5.014	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	4849	4.587	ug/l	95
10) Methyl Iodide	4.09	142	4421	4.022	ug/l #	95
11) Tert butyl alcohol	4.98	59	3878m	28.470	ug/l	
12) 1,1-Dichloroethene	3.87	96	4753	4.878	ug/l #	80
13) Acrolein	3.74	56	2150	26.781	ug/l	90
14) Allyl chloride	4.48	41	7166	4.812	ug/l	99
15) Acrylonitrile	5.17	53	8912	22.528	ug/l	99
16) Acetone	3.95	43	7816	29.216	ug/l	89
17) Carbon Disulfide	4.19	76	11197	5.902	ug/l	97
18) Methyl Acetate	4.48	43	4693	5.251	ug/l	98
19) Methyl tert-butyl Ether	5.21	73	14130	4.640	ug/l #	77
20) Methylene Chloride	4.72	84	7921	6.294	ug/l	90
21) trans-1,2-Dichloroethene	5.21	96	5790	5.345	ug/l	87
22) Diisopropyl ether	6.12	45	15352	4.562	ug/l	91
23) Vinyl Acetate	6.07	43	49622	22.034	ug/l	96
24) 1,1-Dichloroethane	6.03	63	9192	4.615	ug/l	98
25) 2-Butanone	6.99	43	11625	23.991	ug/l	99
26) 2,2-Dichloropropane	6.99	77	10515	5.595	ug/l	86
27) cis-1,2-Dichloroethene	6.98	96	7148m	5.212	ug/l	
28) Bromochloromethane	7.34	49	4751	5.146	ug/l #	89
29) Tetrahydrofuran	7.36	42	6724	23.116	ug/l	97
30) Chloroform	7.51	83	10871	5.289	ug/l	88
31) Cyclohexane	7.78	56	10122	6.240	ug/l	94
32) 1,1,1-Trichloroethane	7.70	97	7479	4.480	ug/l	93
36) 1,1-Dichloropropene	7.92	75	7696	5.117	ug/l	92
37) Ethyl Acetate	7.08	43	4916	4.904	ug/l #	68
38) Carbon Tetrachloride	7.90	117	6582	4.637	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	9084	4.912	ug/l	91
40) Benzene	8.16	78	23301	4.691	ug/l	93
41) Methacrylonitrile	7.31	41	2559m	4.234	ug/l	
42) 1,2-Dichloroethane	8.24	62	5909	4.491	ug/l	99
43) Isopropyl Acetate	8.27	43	8863	4.521	ug/l	94
44) Trichloroethene	8.94	130	5960	4.697	ug/l	90
45) 1,2-Dichloropropane	9.22	63	5471	4.252	ug/l	92
46) Dibromomethane	9.31	93	3093	4.401	ug/l	94
47) Bromodichloromethane	9.49	83	7120	4.175	ug/l #	94
48) Methyl methacrylate	9.29	41	3695	4.285	ug/l	96
49) 1,4-Dioxane	9.29	88	1336	97.906	ug/l	86
51) 4-Methyl-2-Pentanone	10.07	43	23916	22.343	ug/l	94
52) Toluene	10.24	92	15079	4.778	ug/l	91
53) t-1,3-Dichloropropene	10.46	75	7483	4.138	ug/l	90
54) cis-1,3-Dichloropropene	9.93	75	8433	4.038	ug/l #	93
55) 1,1,2-Trichloroethane	10.65	97	5205	4.724	ug/l #	83
56) Ethyl methacrylate	10.51	69	6827	4.354	ug/l	92
57) 1,3-Dichloropropane	10.79	76	8108	4.380	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	20641	24.353	ug/l	97
59) 2-Hexanone	10.84	43	15657	20.503	ug/l	96
60) Dibromochloromethane	10.98	129	5110	4.427	ug/l	92
61) 1,2-Dibromoethane	11.09	107	4797	4.766	ug/l	88
64) Tetrachloroethene	10.73	164	4810	4.389	ug/l #	79
65) Chlorobenzene	11.51	112	15395	4.457	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	4628	3.963	ug/l	95
67) Ethyl Benzene	11.59	91	27261	4.422	ug/l	99
68) m/p-Xylenes	11.70	106	20919	8.918	ug/l	96
69) o-Xylene	12.02	106	9766	4.300	ug/l	97
70) Styrene	12.04	104	17023	4.270	ug/l	98
71) Bromoform	12.21	173	2946	4.357	ug/l #	88
73) Isopropylbenzene	12.33	105	26763	4.496	ug/l	98
74) N-amyl acetate	12.14	43	7342	4.330	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	6548	4.673	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	5283m	5.084	ug/l	
77) Bromobenzene	12.61	156	5541	4.458	ug/l	93
78) n-propylbenzene	12.67	91	32790	4.516	ug/l	99
79) 2-Chlorotoluene	12.75	91	18538	4.567	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	22119	4.486	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	2130	3.942	ug/l #	88
82) 4-Chlorotoluene	12.85	91	18978	4.522	ug/l	100
83) tert-Butylbenzene	13.07	119	19498	4.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	22965	4.724	ug/l	96
85) sec-Butylbenzene	13.25	105	28441	4.564	ug/l	99
86) p-Isopropyltoluene	13.37	119	23388	4.427	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	11395	4.622	ug/l	95
88) 1,4-Dichlorobenzene	13.44	146	10943	4.417	ug/l	88
89) n-Butylbenzene	13.69	91	24969	4.594	ug/l	97
90) Hexachloroethane	13.96	117	4548	4.381	ug/l	81
91) 1,2-Dichlorobenzene	13.73	146	9719	4.196	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1108	4.441	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6881	4.923	ug/l	93
94) Hexachlorobutadiene	15.11	225	2587	3.855	ug/l	83
95) Naphthalene	15.23	128	17135	4.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	5928	4.444	ug/l	95

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

