

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000047.D
 Acq On : 16 Sep 2019 15:32
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:18 AM

Quant Time: Sep 17 06:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 06:29:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	109595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	223641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	81454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.13	65	65610	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	7.71	113	59694	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	10.18	98	259165	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.48	95	90769	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.89	85	4539	5.616	ug/l 97
3) Chloromethane	2.11	50	10155	7.725	ug/l # 83
4) Vinyl Chloride	2.24	62	5986	4.884	ug/l 93
5) Bromomethane	2.63	94	5209	6.687	ug/l 81
6) Chloroethane	2.78	64	4467	5.475	ug/l 98
7) Trichlorofluoromethane	3.12	101	8217	5.160	ug/l 95
8) Diethyl Ether	3.51	74	3313	5.062	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5068	4.677	ug/l # 45
10) Methyl Iodide	4.07	142	3351	2.828	ug/l # 92
11) Tert butyl alcohol	4.96	59	3881	25.858	ug/l # 82
12) 1,1-Dichloroethene	3.85	96	4775	4.728	ug/l # 67
13) Acrolein	3.72	56	2528	22.451	ug/l 84
14) Allyl chloride	4.46	41	8322	5.307	ug/l 93
15) Acrylonitrile	5.16	53	9814	23.635	ug/l # 66
16) Acetone	3.95	43	8621	26.335	ug/l 92
17) Carbon Disulfide	4.18	76	12233	6.015	ug/l 100
18) Methyl Acetate	4.47	43	5491	5.961	ug/l # 83
19) Methyl tert-butyl Ether	5.22	73	15360	5.021	ug/l 98
20) Methylene Chloride	4.71	84	10187	7.806	ug/l 94
21) trans-1,2-Dichloroethene	5.20	96	5696	5.093	ug/l # 70
22) Diisopropyl ether	6.12	45	17275	4.990	ug/l # 86
23) Vinyl Acetate	6.06	43	54829	22.895	ug/l 94
24) 1,1-Dichloroethane	6.01	63	9759	4.757	ug/l 97
25) 2-Butanone	6.98	43	12980	24.396	ug/l 94
26) 2,2-Dichloropropane	6.97	77	11468	6.018	ug/l 90
27) cis-1,2-Dichloroethene	6.98	96	6913	4.900	ug/l 84
28) Bromochloromethane	7.32	49	4658	4.944	ug/l # 97
29) Tetrahydrofuran	7.35	42	7203	22.758	ug/l 94
30) Chloroform	7.51	83	10435	4.933	ug/l 97
31) Cyclohexane	7.78	56	11114	6.500	ug/l # 61
32) 1,1,1-Trichloroethane	7.70	97	8370	4.823	ug/l 98
36) 1,1-Dichloropropene	7.91	75	8187	4.986	ug/l 94
37) Ethyl Acetate	7.08	43	5555	5.017	ug/l # 74
38) Carbon Tetrachloride	7.90	117	6431	4.149	ug/l # 82

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

39) Methylcyclohexane	9.18	83	9649	4.756	ug/l	93
40) Benzene	8.15	78	25072	4.690	ug/l	96
41) Methacrylonitrile	7.31	41	2784	4.322	ug/l #	84
42) 1,2-Dichloroethane	8.24	62	6541	4.788	ug/l	100
43) Isopropyl Acetate	8.27	43	9238	4.305	ug/l #	90
44) Trichloroethene	8.93	130	6354	4.760	ug/l	100
45) 1,2-Dichloropropane	9.22	63	6425	4.661	ug/l	96
46) Dibromomethane	9.31	93	3218	4.206	ug/l	96
47) Bromodichloromethane	9.50	83	8389	4.594	ug/l #	98
48) Methyl methacrylate	9.29	41	4332	4.575	ug/l	94
49) 1,4-Dioxane	9.31	88	1401	87.446	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	25635	21.321	ug/l	99
52) Toluene	10.24	92	15216	4.530	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	8647	4.503	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10313	4.616	ug/l	89
55) 1,1,2-Trichloroethane	10.65	97	5706	4.707	ug/l	90
56) Ethyl methacrylate	10.51	69	7693	4.522	ug/l	92
57) 1,3-Dichloropropane	10.79	76	8949	4.616	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.78	63	19740	21.181	ug/l	100
59) 2-Hexanone	10.83	43	18015	20.792	ug/l	100
60) Dibromochloromethane	10.99	129	4934	3.862	ug/l	94
61) 1,2-Dibromoethane	11.09	107	4898	4.574	ug/l	87
64) Tetrachloroethene	10.72	164	6514	5.611	ug/l #	86
65) Chlorobenzene	11.51	112	16080	4.458	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.59	131	5117	4.094	ug/l	98
67) Ethyl Benzene	11.59	91	29820	4.551	ug/l	93
68) m/p-Xylenes	11.70	106	22049	8.916	ug/l	100
69) o-Xylene	12.02	106	10826	4.467	ug/l	99
70) Styrene	12.04	104	17884	4.242	ug/l	97
71) Bromoform	12.21	173	2785	3.690	ug/l #	96
73) Isopropylbenzene	12.33	105	28146	4.522	ug/l	98
74) N-amyl acetate	12.14	43	6926	3.770	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	5773	3.880	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	3958m	3.498	ug/l	
77) Bromobenzene	12.60	156	5593	4.248	ug/l	93
78) n-propylbenzene	12.67	91	33336	4.383	ug/l	99
79) 2-Chlorotoluene	12.75	91	19850	4.667	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	22934	4.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	2581	4.525	ug/l	97
82) 4-Chlorotoluene	12.85	91	19341	4.333	ug/l	99
83) tert-Butylbenzene	13.07	119	19651	4.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	21919	4.270	ug/l	99
85) sec-Butylbenzene	13.25	105	29143	4.423	ug/l	95
86) p-Isopropyltoluene	13.37	119	24130	4.317	ug/l	96
87) 1,3-Dichlorobenzene	13.37	146	11657	4.399	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	11103	4.164	ug/l	86
89) n-Butylbenzene	13.69	91	24312	4.292	ug/l	99
90) Hexachloroethane	13.96	117	4524	4.050	ug/l	94
91) 1,2-Dichlorobenzene	13.73	146	10159	4.120	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1376	4.756	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	6019	3.825	ug/l	94
94) Hexachlorobutadiene	15.11	225	2883	3.995	ug/l	88
95) Naphthalene	15.23	128	17251	4.008	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	5813	4.115	ug/l	90

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

