

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000029.D
 Acq On : 12 Sep 2019 16:39
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:59 PM

Quant Time: Sep 19 12:03:05 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	131661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	252858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	90978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	71359	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.71	113	70122	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.18	98	304086	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	103151	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	4087	4.209	ug/l	83
3) Chloromethane	2.11	50	6747	4.018	ug/l	89
4) Vinyl Chloride	2.24	62	5090	3.457	ug/l	95
5) Bromomethane	2.64	94	4778	5.106	ug/l	92
6) Chloroethane	2.79	64	3934	4.014	ug/l #	88
7) Trichlorofluoromethane	3.11	101	7849	4.103	ug/l	92
8) Diethyl Ether	3.52	74	2480	3.154	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.88	101	4442m	3.412	ug/l	
10) Methyl Iodide	4.08	142	3148	2.211	ug/l #	90
11) Tert butyl alcohol	4.96	59	3701	20.526	ug/l #	82
12) 1,1-Dichloroethene	3.86	96	4263	3.513	ug/l	90
13) Acrolein	3.73	56	2545	18.814	ug/l	86
14) Allyl chloride	4.47	41	6297	3.343	ug/l	98
15) Acrylonitrile	5.15	53	8595	17.230	ug/l	97
16) Acetone	3.95	43	7238	18.405	ug/l #	79
17) Carbon Disulfide	4.18	76	10646	4.357	ug/l	99
18) Methyl Acetate	4.47	43	4691	4.239	ug/l #	80
19) Methyl tert-butyl Ether	5.21	73	12187	3.316	ug/l	94
20) Methylene Chloride	4.70	84	8573	5.469	ug/l	89
21) trans-1,2-Dichloroethene	5.20	96	5031	3.745	ug/l	87
22) Diisopropyl ether	6.12	45	13836	3.327	ug/l #	92
23) Vinyl Acetate	6.05	43	45808	15.922	ug/l	95
24) 1,1-Dichloroethane	6.01	63	8927	3.622	ug/l	96
25) 2-Butanone	6.99	43	11893	18.606	ug/l	92
26) 2,2-Dichloropropane	6.99	77	10197	4.454	ug/l #	51
27) cis-1,2-Dichloroethene	6.99	96	5872	3.464	ug/l	82
28) Bromochloromethane	7.32	49	3785	3.344	ug/l #	93
29) Tetrahydrofuran	7.36	42	6290	16.543	ug/l	98
30) Chloroform	7.50	83	9650	3.797	ug/l #	81
31) Cyclohexane	7.78	56	10452	5.089	ug/l #	53
32) 1,1,1-Trichloroethane	7.70	97	6730	3.228	ug/l	93
36) 1,1-Dichloropropene	7.91	75	7025	3.784	ug/l	100
37) Ethyl Acetate	7.08	43	5227	4.175	ug/l #	93
38) Carbon Tetrachloride	7.89	117	5690	3.247	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9015	3.930	ug/l	95
40) Benzene	8.15	78	20834	3.447	ug/l	96
41) Methacrylonitrile	7.31	41	2147	2.948	ug/l #	85
42) 1,2-Dichloroethane	8.23	62	5520	3.574	ug/l	91
43) Isopropyl Acetate	8.27	43	8099	3.338	ug/l	94
44) Trichloroethene	8.93	130	5155	3.416	ug/l	96
45) 1,2-Dichloropropane	9.21	63	5266	3.379	ug/l	98
46) Dibromomethane	9.30	93	2672	3.089	ug/l	94
47) Bromodichloromethane	9.49	83	6835	3.310	ug/l #	85
48) Methyl methacrylate	9.29	41	3605	3.368	ug/l	95
49) 1,4-Dioxane	9.29	88	944	52.113	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	20643	15.186	ug/l	98
52) Toluene	10.24	92	12692	3.342	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	7016	3.232	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	8135	3.220	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4384	3.198	ug/l	90
56) Ethyl methacrylate	10.51	69	6167	3.206	ug/l	91
57) 1,3-Dichloropropane	10.78	76	7091	3.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	18668	17.716	ug/l	100
59) 2-Hexanone	10.83	43	14521	14.823	ug/l	98
60) Dibromochloromethane	10.98	129	4331	2.999	ug/l	95
61) 1,2-Dibromoethane	11.09	107	4216	3.482	ug/l	87
64) Tetrachloroethene	10.72	164	5244	4.014	ug/l	85
65) Chlorobenzene	11.51	112	13829	3.407	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4491	3.193	ug/l	94
67) Ethyl Benzene	11.59	91	25750	3.492	ug/l	92
68) m/p-Xylenes	11.70	106	19235	6.912	ug/l	96
69) o-Xylene	12.02	106	10069	3.692	ug/l	84
70) Styrene	12.04	104	15227	3.209	ug/l	98
71) Bromoform	12.20	173	2465	2.903	ug/l #	92
73) Isopropylbenzene	12.32	105	22723	3.269	ug/l	95
74) N-amyl acetate	12.13	43	5786	2.820	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	4904	2.951	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	4361m	3.451	ug/l	
77) Bromobenzene	12.60	156	5255	3.574	ug/l	96
78) n-propylbenzene	12.66	91	28313	3.333	ug/l	100
79) 2-Chlorotoluene	12.75	91	16199	3.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	19294	3.324	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	2048	3.215	ug/l	95
82) 4-Chlorotoluene	12.85	91	17131	3.436	ug/l	97
83) tert-Butylbenzene	13.07	119	16819	3.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	19149	3.340	ug/l	99
85) sec-Butylbenzene	13.25	105	24650	3.349	ug/l	98
86) p-Isopropyltoluene	13.37	119	20564	3.294	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	10552	3.566	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	10485	3.521	ug/l	90
89) n-Butylbenzene	13.69	91	20841	3.294	ug/l	99
90) Hexachloroethane	13.95	117	4225	3.386	ug/l	82
91) 1,2-Dichlorobenzene	13.73	146	8523	3.095	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1132	3.503	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5495	3.127	ug/l	98
94) Hexachlorobutadiene	15.10	225	2814	3.491	ug/l	95
95) Naphthalene	15.22	128	14448	3.005	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	5425	3.439	ug/l	94

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

