

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000012.D
 Acq On : 11 Sep 2019 20:43
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:40 PM

Quant Time: Sep 19 11:30:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:25:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	272007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	75572	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.72	113	72152	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	10.18	98	308645	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.48	95	101647	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	3994	3.809	ug/l	93
3) Chloromethane	2.11	50	8625	4.379	ug/l	92
4) Vinyl Chloride	2.25	62	6022	3.720	ug/l	100
5) Bromomethane	2.63	94	4591	4.861	ug/l	98
6) Chloroethane	2.78	64	4295	4.024	ug/l #	84
7) Trichlorofluoromethane	3.12	101	7837	3.931	ug/l	97
8) Diethyl Ether	3.53	74	3007	3.846	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.89	101	5140	3.851	ug/l #	85
10) Methyl Iodide	4.08	142	4716	3.037	ug/l	99
11) Tert butyl alcohol	4.98	59	2974	17.465	ug/l	100
12) 1,1-Dichloroethene	3.87	96	4698	3.637	ug/l #	84
13) Acrolein	3.74	56	3056	22.034	ug/l	91
14) Allyl chloride	4.48	41	7768	3.953	ug/l	96
15) Acrylonitrile	5.18	53	9225	17.982	ug/l	97
16) Acetone	3.96	43	6832	17.295	ug/l	94
17) Carbon Disulfide	4.19	76	11705	4.324	ug/l #	93
18) Methyl Acetate	4.50	43	4935	4.113	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	12041	3.309	ug/l	99
20) Methylene Chloride	4.71	84	8421	5.183	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	5359	3.850	ug/l #	82
22) Diisopropyl ether	6.12	45	13972	3.270	ug/l #	95
23) Vinyl Acetate	6.06	43	48340	16.690	ug/l	97
24) 1,1-Dichloroethane	6.01	63	9189	3.591	ug/l	94
25) 2-Butanone	7.01	43	10397	16.669	ug/l	96
26) 2,2-Dichloropropane	6.98	77	7557	3.454	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	6244	3.576	ug/l	97
28) Bromochloromethane	7.34	49	3884	3.294	ug/l	92
29) Tetrahydrofuran	7.35	42	7115	18.259	ug/l	94
30) Chloroform	7.51	83	9309	3.594	ug/l	87
31) Cyclohexane	7.78	56	10978	4.958	ug/l #	62
32) 1,1,1-Trichloroethane	7.71	97	7574	3.543	ug/l	100
36) 1,1-Dichloropropene	7.92	75	7148	3.635	ug/l	97
37) Ethyl Acetate	7.09	43	4222	3.140	ug/l #	90
38) Carbon Tetrachloride	7.91	117	6280	3.327	ug/l #	74

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

39) Methylcyclohexane	9.18	83	9534	3.933	ug/l #	84
40) Benzene	8.16	78	22308	3.528	ug/l	95
41) Methacrylonitrile	7.32	41	2588m	3.211	ug/l	
42) 1,2-Dichloroethane	8.24	62	5959	3.615	ug/l	89
43) Isopropyl Acetate	8.28	43	8921	3.609	ug/l	96
44) Trichloroethene	8.94	130	5206	3.200	ug/l	82
45) 1,2-Dichloropropane	9.21	63	5532	3.409	ug/l #	84
46) Dibromomethane	9.31	93	2969	3.381	ug/l	91
47) Bromodichloromethane	9.49	83	6368	3.027	ug/l #	90
48) Methyl methacrylate	9.30	41	4067	3.725	ug/l	93
49) 1,4-Dioxane	9.29	88	1389	80.464	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	22345	16.422	ug/l	99
52) Toluene	10.24	92	13437	3.376	ug/l	95
53) t-1,3-Dichloropropene	10.46	75	7182	3.250	ug/l #	86
54) cis-1,3-Dichloropropene	9.93	75	8277	3.209	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4413	3.242	ug/l #	85
56) Ethyl methacrylate	10.51	69	6585	3.360	ug/l #	93
57) 1,3-Dichloropropane	10.79	76	7211	3.210	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.78	63	13378	13.233	ug/l	99
59) 2-Hexanone	10.84	43	16028	16.544	ug/l	97
60) Dibromochloromethane	10.98	129	4319	2.977	ug/l	99
61) 1,2-Dibromoethane	11.09	107	4618	3.688	ug/l	88
64) Tetrachloroethene	10.72	164	5078	3.670	ug/l	93
65) Chlorobenzene	11.51	112	12896	3.083	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.59	131	4759	3.362	ug/l	95
67) Ethyl Benzene	11.59	91	25198	3.297	ug/l	97
68) m/p-Xylenes	11.70	106	19638	6.764	ug/l	100
69) o-Xylene	12.02	106	9735	3.486	ug/l	97
70) Styrene	12.04	104	15330	3.153	ug/l	98
71) Bromoform	12.20	173	2548	2.971	ug/l #	95
73) Isopropylbenzene	12.33	105	24138	3.337	ug/l	99
74) N-amyl acetate	12.14	43	6396	3.186	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	5711	3.428	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	3299m	2.923	ug/l	
77) Bromobenzene	12.60	156	5194	3.369	ug/l	99
78) n-propylbenzene	12.66	91	28245	3.227	ug/l	97
79) 2-Chlorotoluene	12.75	91	15888	3.272	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	19727	3.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	2022	3.101	ug/l	89
82) 4-Chlorotoluene	12.85	91	16048	3.164	ug/l	95
83) tert-Butylbenzene	13.07	119	17172	3.376	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	18556	3.173	ug/l	92
85) sec-Butylbenzene	13.25	105	24812	3.272	ug/l	99
86) p-Isopropyltoluene	13.37	119	21038	3.299	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	9937	3.341	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	10161	3.388	ug/l	89
89) n-Butylbenzene	13.69	91	21174	3.322	ug/l	97
90) Hexachloroethane	13.96	117	4321	3.349	ug/l	85
91) 1,2-Dichlorobenzene	13.73	146	9388	3.352	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.34	75	1147	3.697	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5614	3.287	ug/l	96
94) Hexachlorobutadiene	15.10	225	2630	3.180	ug/l	96
95) Naphthalene	15.23	128	15665	3.355	ug/l	96
96) 1,2,3-Trichlorobenzene	15.41	180	5360	3.500	ug/l	90

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

