

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000260.D
 Acq On : 10 Oct 2019 17:51
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:34:00 PM

Quant Time: Oct 11 07:23:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 07:12:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	246623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	409587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	161700	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.73	113	129344	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.19	98	485695	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.48	95	167804	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	5339	2.168	ug/l 92
3) Chloromethane	2.12	50	7578	2.260	ug/l 94
4) Vinyl Chloride	2.25	62	8346	2.411	ug/l 98
5) Bromomethane	2.64	94	7377	3.377	ug/l 84
6) Chloroethane	2.79	64	5293	2.421	ug/l # 82
7) Trichlorofluoromethane	3.12	101	10871	2.430	ug/l 86
8) Diethyl Ether	3.54	74	5751	2.812	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6142	2.352	ug/l 90
10) Methyl Iodide	4.09	142	5814	1.509	ug/l # 88
11) Tert butyl alcohol	4.96	59	26719m	15.505	ug/l
12) 1,1-Dichloroethene	3.87	96	6429	2.371	ug/l 90
13) Acrolein	3.74	56	11339	12.536	ug/l 89
14) Allyl chloride	4.47	41	10601	2.320	ug/l 93
15) Acrylonitrile	5.18	53	36234	11.912	ug/l 96
16) Acetone	3.96	43	35026	13.942	ug/l 94
17) Carbon Disulfide	4.20	76	17202	2.152	ug/l # 93
18) Methyl Acetate	4.49	43	17966	2.610	ug/l 96
19) Methyl tert-butyl Ether	5.24	73	24247	2.444	ug/l 100
20) Methylene Chloride	4.72	84	8568	2.596	ug/l 97
21) trans-1,2-Dichloroethene	5.22	96	7388	2.422	ug/l 97
22) Diisopropyl ether	6.13	45	24557	2.320	ug/l # 96
23) Vinyl Acetate	6.07	43	110376	11.513	ug/l 100
24) 1,1-Dichloroethane	6.04	63	14050	2.602	ug/l 96
25) 2-Butanone	7.00	43	58721	12.635	ug/l 96
26) 2,2-Dichloropropane	7.00	77	11935	2.449	ug/l 77
27) cis-1,2-Dichloroethene	7.00	96	8687	2.418	ug/l 98
28) Bromochloromethane	7.35	49	4808	2.705	ug/l # 84
29) Tetrahydrofuran	7.36	42	38800	11.821	ug/l 96
30) Chloroform	7.52	83	13533	2.415	ug/l 94
31) Cyclohexane	7.80	56	16569	3.038	ug/l # 76
32) 1,1,1-Trichloroethane	7.71	97	10682	2.242	ug/l # 90
36) 1,1-Dichloropropene	7.93	75	10608	2.545	ug/l 96
37) Ethyl Acetate	7.09	43	20293	2.694	ug/l 97
38) Carbon Tetrachloride	7.91	117	10649	2.622	ug/l # 81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	11354	2.172	ug/l #	80
40) Benzene	8.17	78	30153	2.385	ug/l	96
41) Methacrylonitrile	7.35	41	15748m	2.656	ug/l	
42) 1,2-Dichloroethane	8.25	62	10897	2.654	ug/l	89
43) Isopropyl Acetate	8.28	43	24943	2.572	ug/l	98
44) Trichloroethene	8.95	130	8529	2.488	ug/l	93
45) 1,2-Dichloropropane	9.23	63	8123	2.565	ug/l	96
46) Dibromomethane	9.31	93	5853	2.637	ug/l	99
47) Bromodichloromethane	9.50	83	10769	2.480	ug/l #	87
48) Methyl methacrylate	9.30	41	10269	2.346	ug/l	98
49) 1,4-Dioxane	9.30	88	5734	51.031	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	89698	12.308	ug/l	99
52) Toluene	10.25	92	19246	2.374	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	11392	2.312	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	12063	2.263	ug/l	90
55) 1,1,2-Trichloroethane	10.65	97	7433	2.325	ug/l	90
56) Ethyl methacrylate	10.51	69	12545	2.229	ug/l	95
57) 1,3-Dichloropropane	10.80	76	14321	2.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	30684	12.230	ug/l	99
59) 2-Hexanone	10.84	43	74912	12.128	ug/l	99
60) Dibromochloromethane	10.99	129	8130	2.405	ug/l	96
61) 1,2-Dibromoethane	11.10	107	8821	2.597	ug/l	97
64) Tetrachloroethene	10.72	164	9502	2.904	ug/l	95
65) Chlorobenzene	11.52	112	20045	2.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	7283	2.455	ug/l	90
67) Ethyl Benzene	11.60	91	35169	2.371	ug/l	99
68) m/p-Xylenes	11.70	106	27401	4.842	ug/l	92
69) o-Xylene	12.03	106	13796	2.531	ug/l	89
70) Styrene	12.05	104	20229	2.154	ug/l	99
71) Bromoform	12.20	173	5960	2.435	ug/l #	95
73) Isopropylbenzene	12.33	105	33819	2.467	ug/l	99
74) N-amyl acetate	12.14	43	14693	2.251	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	12653	2.705	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	11516m	2.696	ug/l	
77) Bromobenzene	12.61	156	8464	2.633	ug/l	92
78) n-propylbenzene	12.67	91	36981	2.310	ug/l	99
79) 2-Chlorotoluene	12.76	91	23364	2.534	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	27692	2.421	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4390	2.121	ug/l	88
82) 4-Chlorotoluene	12.86	91	22399	2.399	ug/l	98
83) tert-Butylbenzene	13.07	119	24212	2.435	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	25423	2.225	ug/l	86
85) sec-Butylbenzene	13.25	105	31161	2.274	ug/l	98
86) p-Isopropyltoluene	13.37	119	28065	2.329	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	15185	2.606	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	15910	2.622	ug/l	93
89) n-Butylbenzene	13.70	91	25091	2.209	ug/l	99
90) Hexachloroethane	13.96	117	5296	2.323	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	14618	2.479	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3946	2.701	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	9534	2.381	ug/l	97
94) Hexachlorobutadiene	15.11	225	4097	2.141	ug/l	86
95) Naphthalene	15.23	128	37766	2.507	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	10132	2.631	ug/l	97

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

