

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100319\
 Data File : VY000188.D
 Acq On : 03 Oct 2019 17:08
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY100319

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:51:14 PM

Quant Time: Oct 04 06:11:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 06:00:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	460928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	704215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	631641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	323113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	239367	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.73	113	216485	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.18	98	833000	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.48	95	296949	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	200757	51.289	ug/l	95
3) Chloromethane	2.11	50	245543	53.327	ug/l	100
4) Vinyl Chloride	2.25	62	275262	55.928	ug/l	98
5) Bromomethane	2.62	94	191586m	61.243	ug/l	
6) Chloroethane	2.78	64	167529	53.109	ug/l	97
7) Trichlorofluoromethane	3.12	101	349963	49.694	ug/l	99
8) Diethyl Ether	3.53	74	143129	49.839	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	205099	49.164	ug/l	99
10) Methyl Iodide	4.09	142	361238	47.877	ug/l	100
11) Tert butyl alcohol	4.97	59	607966	249.870	ug/l	100
12) 1,1-Dichloroethene	3.87	96	217850	49.851	ug/l	97
13) Acrolein	3.73	56	242389	243.682	ug/l	99
14) Allyl chloride	4.48	41	303076	52.755	ug/l	96
15) Acrylonitrile	5.18	53	1030726	259.494	ug/l	99
16) Acetone	3.95	43	862432	267.393	ug/l	98
17) Carbon Disulfide	4.19	76	629459	53.436	ug/l	98
18) Methyl Acetate	4.48	43	452909	51.704	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	720466	51.197	ug/l	98
20) Methylene Chloride	4.72	84	236965	49.236	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	240284	50.784	ug/l	94
22) Diisopropyl ether	6.13	45	703909	53.600	ug/l	98
23) Vinyl Acetate	6.07	43	3313782	272.100	ug/l	98
24) 1,1-Dichloroethane	6.03	63	384820	51.972	ug/l	99
25) 2-Butanone	7.00	43	1572007	274.038	ug/l	97
26) 2,2-Dichloropropane	6.99	77	352628	46.439	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	271277	50.470	ug/l	98
28) Bromochloromethane	7.35	49	135216	52.720	ug/l	99
29) Tetrahydrofuran	7.36	42	1082740	267.301	ug/l	98
30) Chloroform	7.52	83	409935	50.130	ug/l	98
31) Cyclohexane	7.79	56	356517	48.044	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	368260	50.138	ug/l	99
36) 1,1-Dichloropropene	7.92	75	310230	49.645	ug/l	98
37) Ethyl Acetate	7.08	43	505819	51.672	ug/l	99
38) Carbon Tetrachloride	7.91	117	331659	48.997	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	397573	49.494	ug/l	99
40) Benzene	8.17	78	952733	50.586	ug/l	95
41) Methacrylonitrile	7.33	41	218451m	51.387	ug/l	
42) 1,2-Dichloroethane	8.25	62	303088	50.460	ug/l	99
43) Isopropyl Acetate	8.28	43	666689	52.269	ug/l	99
44) Trichloroethene	8.94	130	283412	49.093	ug/l	96
45) 1,2-Dichloropropane	9.22	63	225628	50.042	ug/l	97
46) Dibromomethane	9.31	93	168273	49.649	ug/l	97
47) Bromodichloromethane	9.50	83	327093	51.234	ug/l	99
48) Methyl methacrylate	9.30	41	293185	52.206	ug/l	99
49) 1,4-Dioxane	9.30	88	174180	1003.886	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	2552161	269.513	ug/l	100
52) Toluene	10.25	92	622744	50.380	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	379333	51.736	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	395526	49.786	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	249187	52.069	ug/l	98
56) Ethyl methacrylate	10.52	69	412594	52.885	ug/l	98
57) 1,3-Dichloropropane	10.79	76	398571	50.195	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	1007659	270.816	ug/l	99
59) 2-Hexanone	10.84	43	2204236	275.769	ug/l	99
60) Dibromochloromethane	10.99	129	290287	51.449	ug/l	100
61) 1,2-Dibromoethane	11.09	107	269550	50.334	ug/l	99
64) Tetrachloroethene	10.72	164	284210	48.011	ug/l	99
65) Chlorobenzene	11.52	112	672880	49.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	252510	49.343	ug/l	99
67) Ethyl Benzene	11.59	91	1173742	50.255	ug/l	98
68) m/p-Xylenes	11.70	106	939289	100.048	ug/l	99
69) o-Xylene	12.03	106	451846	50.603	ug/l	98
70) Styrene	12.05	104	774366	51.404	ug/l	100
71) Bromoform	12.21	173	238610	52.355	ug/l	99
73) Isopropylbenzene	12.33	105	1167152	49.088	ug/l	100
74) N-amyl acetate	12.14	43	543587	49.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	388614	52.314	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	272166m	49.943	ug/l	
77) Bromobenzene	12.61	156	302084	49.232	ug/l	96
78) n-propylbenzene	12.67	91	1342342	50.331	ug/l	99
79) 2-Chlorotoluene	12.75	91	772741	50.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	993308	50.343	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	172763	52.105	ug/l #	89
82) 4-Chlorotoluene	12.86	91	798559	50.751	ug/l	99
83) tert-Butylbenzene	13.08	119	868770	49.943	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	992392	51.090	ug/l	99
85) sec-Butylbenzene	13.25	105	1189282	50.373	ug/l	99
86) p-Isopropyltoluene	13.37	119	1088724	50.581	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	551437	49.205	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	558448	49.402	ug/l	99
89) n-Butylbenzene	13.70	91	973770	51.278	ug/l	100
90) Hexachloroethane	13.96	117	207541	52.123	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	538738	49.060	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	125471	49.511	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	393441	50.721	ug/l	99
94) Hexachlorobutadiene	15.11	225	192161	49.595	ug/l	97
95) Naphthalene	15.23	128	1382596	50.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	387763	50.599	ug/l	99

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

