

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100319\
 Data File : VY000183.D
 Acq On : 03 Oct 2019 13:20
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:50:44 PM

Quant Time: Oct 04 05:46:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 05:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	377748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	574127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	497487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	250764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	17485	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
35) Dibromofluoromethane	7.73	113	16052	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	
50) Toluene-d8	10.19	98	60559	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
62) 4-Bromofluorobenzene	12.48	95	22059	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	14714	5.850	ug/l	100
3) Chloromethane	2.12	50	17529	6.725	ug/l #	85
4) Vinyl Chloride	2.25	62	19706	6.973	ug/l	98
5) Bromomethane	2.63	94	16397	8.883	ug/l	86
6) Chloroethane	2.79	64	12428	6.312	ug/l	91
7) Trichlorofluoromethane	3.11	101	29357	6.509	ug/l	92
8) Diethyl Ether	3.54	74	11610	5.817	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	16741	5.871	ug/l	98
10) Methyl Iodide	4.09	142	21980	5.673	ug/l	97
11) Tert butyl alcohol	4.97	59	57752	30.518	ug/l #	86
12) 1,1-Dichloroethene	3.86	96	17873	6.667	ug/l	89
13) Acrolein	3.74	56	25027	30.697	ug/l	97
14) Allyl chloride	4.49	41	23571	6.311	ug/l	93
15) Acrylonitrile	5.18	53	81186	26.709	ug/l	98
16) Acetone	3.96	43	71402	28.307	ug/l	96
17) Carbon Disulfide	4.19	76	45529	8.431	ug/l #	93
18) Methyl Acetate	4.48	43	36996	5.251	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	57169	5.284	ug/l	96
20) Methylene Chloride	4.72	84	20012	6.060	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	18686	6.463	ug/l	97
22) Diisopropyl ether	6.13	45	51204	5.169	ug/l	97
23) Vinyl Acetate	6.07	43	229935	26.995	ug/l	98
24) 1,1-Dichloroethane	6.03	63	29987	5.658	ug/l	98
25) 2-Butanone	7.00	43	118060	26.326	ug/l	98
26) 2,2-Dichloropropane	6.99	77	30482	5.912	ug/l	93
27) cis-1,2-Dichloroethene	7.00	96	23160	6.091	ug/l	95
28) Bromochloromethane	7.35	49	11175	5.358	ug/l	93
29) Tetrahydrofuran	7.36	42	77559	25.921	ug/l	94
30) Chloroform	7.51	83	32996	5.435	ug/l	96
31) Cyclohexane	7.79	56	31684	8.154	ug/l #	85
32) 1,1,1-Trichloroethane	7.71	97	29369	5.669	ug/l	98
36) 1,1-Dichloropropene	7.92	75	24134	6.418	ug/l	99
37) Ethyl Acetate	7.08	43	36412	5.180	ug/l #	94
38) Carbon Tetrachloride	7.90	117	25455	5.522	ug/l	95

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

39) Methylcyclohexane	9.19	83	30435	6.859	ug/l	95
40) Benzene	8.17	78	74725	5.993	ug/l	99
41) Methacrylonitrile	7.33	41	18860m	5.660	ug/l	
42) 1,2-Dichloroethane	8.24	62	24420	5.633	ug/l	99
43) Isopropyl Acetate	8.28	43	49010	5.171	ug/l	95
44) Trichloroethene	8.95	130	23321	5.993	ug/l	93
45) 1,2-Dichloropropane	9.22	63	17701	5.535	ug/l	97
46) Dibromomethane	9.32	93	13503	5.673	ug/l	99
47) Bromodichloromethane	9.50	83	25241	5.191	ug/l	93
48) Methyl methacrylate	9.30	41	21499	5.091	ug/l	98
49) 1,4-Dioxane	9.31	88	13826	105.025	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	183508	24.556	ug/l	99
52) Toluene	10.25	92	46962	5.694	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	27515	5.153	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	31015	5.570	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	19048	5.023	ug/l	97
56) Ethyl methacrylate	10.52	69	29063	4.938	ug/l	96
57) 1,3-Dichloropropane	10.79	76	32039	5.428	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	69919	23.281	ug/l	94
59) 2-Hexanone	10.84	43	155392	24.683	ug/l	99
60) Dibromochloromethane	10.99	129	22032	5.050	ug/l	98
61) 1,2-Dibromoethane	11.09	107	21149	5.500	ug/l	99
64) Tetrachloroethene	10.72	164	24097	6.219	ug/l	96
65) Chlorobenzene	11.52	112	54177	5.742	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	20590	5.292	ug/l	99
67) Ethyl Benzene	11.60	91	87352	5.549	ug/l	93
68) m/p-Xylenes	11.70	106	70956	11.360	ug/l	98
69) o-Xylene	12.03	106	34042	5.438	ug/l	93
70) Styrene	12.05	104	56408	5.232	ug/l	99
71) Bromoform	12.20	173	16442	4.588	ug/l #	95
73) Isopropylbenzene	12.33	105	89045	5.375	ug/l	98
74) N-amyl acetate	12.14	43	32884	4.511	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	29325	4.988	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	21071m	4.792	ug/l	
77) Bromobenzene	12.61	156	24487	5.371	ug/l	97
78) n-propylbenzene	12.67	91	98268	5.305	ug/l	99
79) 2-Chlorotoluene	12.76	91	59121	5.416	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	73405	5.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	11063	4.505	ug/l	93
82) 4-Chlorotoluene	12.86	91	57423	4.941	ug/l	95
83) tert-Butylbenzene	13.08	119	67390	5.322	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	71363	5.176	ug/l	98
85) sec-Butylbenzene	13.25	105	86656	5.113	ug/l	99
86) p-Isopropyltoluene	13.37	119	79712	5.128	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	42760	5.193	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	44529	5.195	ug/l	95
89) n-Butylbenzene	13.70	91	64811	4.747	ug/l	98
90) Hexachloroethane	13.95	117	14523	4.714	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	43218	5.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8723	4.422	ug/l	96

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93) 1,2,4-Trichlorobenzene	15.01	180	28861	4.714	ug/l	99
94) Hexachlorobutadiene	15.11	225	14499	5.096	ug/l	99
95) Naphthalene	15.23	128	99440	4.600	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	28405	4.690	ug/l	97

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

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