

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\
 Data File : VX012883.D
 Acq On : 08 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:37:09 AM

Quant Time: Oct 09 01:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	187952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	314994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	12392	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
35) Dibromofluoromethane	5.49	113	9225	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
50) Toluene-d8	8.71	98	37038	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
62) 4-Bromofluorobenzene	11.14	95	13666	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	9653	4.537	ug/l	95
3) Chloromethane	1.32	50	10777	4.485	ug/l	95
4) Vinyl Chloride	1.40	62	11054	4.611	ug/l	97
5) Bromomethane	1.63	94	4736	4.985	ug/l	94
6) Chloroethane	1.71	64	7631	4.760	ug/l	91
7) Trichlorofluoromethane	1.92	101	15022	4.472	ug/l	98
8) Diethyl Ether	2.18	74	6258	4.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	10112	4.915	ug/l	97
10) Methyl Iodide	2.50	142	5907	3.022	ug/l	99
11) Tert butyl alcohol	3.03	59	17837	26.530	ug/l	98
12) 1,1-Dichloroethene	2.36	96	9699	4.816	ug/l	92
13) Acrolein	2.28	56	11473	30.948	ug/l	100
14) Allyl chloride	2.72	41	17120	4.333	ug/l	99
15) Acrylonitrile	3.13	53	30565	22.346	ug/l	99
16) Acetone	2.44	43	33090	23.204	ug/l	97
17) Carbon Disulfide	2.56	76	25111	4.440	ug/l	100
18) Methyl Acetate	2.76	43	15746	4.673	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	34277	4.534	ug/l	99
20) Methylene Chloride	2.84	84	11598	4.747	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	10487	4.708	ug/l	88
22) Diisopropyl ether	3.84	45	34635	4.534	ug/l #	87
23) Vinyl Acetate	3.81	43	140897	21.103	ug/l	99
24) 1,1-Dichloroethane	3.69	63	18670	4.487	ug/l	99
25) 2-Butanone	4.66	43	45934	22.511	ug/l	92
26) 2,2-Dichloropropane	4.57	77	15626	4.243	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	11760	4.551	ug/l	95
28) Bromochloromethane	5.00	49	5921	4.011	ug/l	97
29) Tetrahydrofuran	5.12	42	26197	21.030	ug/l	97
30) Chloroform	5.20	83	19397	4.545	ug/l	97
31) Cyclohexane	5.57	56	17738	4.697	ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	16148	4.292	ug/l	98
36) 1,1-Dichloropropene	5.79	75	14048	4.603	ug/l	97
37) Ethyl Acetate	4.83	43	14713	4.175	ug/l #	95
38) Carbon Tetrachloride	5.77	117	13218	4.303	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	17478	4.738	ug/l	99
40) Benzene	6.14	78	43070	4.809	ug/l	96
41) Methacrylonitrile	5.03	41	8809	4.473	ug/l	97
42) 1,2-Dichloroethane	6.19	62	15141	4.491	ug/l	98
43) Isopropyl Acetate	6.44	43	25405	4.321	ug/l	98
44) Trichloroethene	7.21	130	11639	5.048	ug/l	97
45) 1,2-Dichloropropane	7.51	63	11001	4.798	ug/l	98
46) Dibromomethane	7.66	93	6954	4.461	ug/l	97
47) Bromodichloromethane	7.89	83	12705	4.098	ug/l	98
48) Methyl methacrylate	7.76	41	12024	4.269	ug/l	99
49) 1,4-Dioxane	7.74	88	6186	95.573	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	82196	22.644	ug/l	98
52) Toluene	8.78	92	27372	4.865	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	13488	3.929	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	16607	4.424	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	10442	4.669	ug/l	94
56) Ethyl methacrylate	9.17	69	16713	4.460	ug/l	98
57) 1,3-Dichloropropane	9.37	76	18496	4.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	35736	21.385	ug/l	99
59) 2-Hexanone	9.49	43	63362	22.851	ug/l	100
60) Dibromochloromethane	9.58	129	9126	4.027	ug/l	97
61) 1,2-Dibromoethane	9.67	107	11175	4.801	ug/l	100
64) Tetrachloroethene	9.33	164	10054	5.077	ug/l	89
65) Chlorobenzene	10.14	112	29009	4.906	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	10134	4.731	ug/l	93
67) Ethyl Benzene	10.25	91	51339	4.789	ug/l	100
68) m/p-Xylenes	10.36	106	38092	9.493	ug/l	100
69) o-Xylene	10.70	106	18667	4.801	ug/l	100
70) Styrene	10.71	104	31039	4.757	ug/l	99
71) Bromoform	10.85	173	5954	3.969	ug/l #	99
73) Isopropylbenzene	11.01	105	49022	4.845	ug/l	100
74) N-amyl acetate	10.89	43	20358	4.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	16704	5.014	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	15137m	4.766	ug/l	
77) Bromobenzene	11.25	156	11754	5.114	ug/l	99
78) n-propylbenzene	11.35	91	52256	4.611	ug/l	99
79) 2-Chlorotoluene	11.42	91	34043	4.805	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	40729	4.803	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	3732	3.309	ug/l #	81
82) 4-Chlorotoluene	11.51	91	38247	4.732	ug/l	98
83) tert-Butylbenzene	11.76	119	39752	4.840	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	40263	4.697	ug/l	99
85) sec-Butylbenzene	11.94	105	45840	4.802	ug/l	99
86) p-Isopropyltoluene	12.06	119	41232	4.791	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	20497	4.937	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	20614	4.933	ug/l	94
89) n-Butylbenzene	12.39	91	33052	4.377	ug/l	98
90) Hexachloroethane	12.59	117	5908	3.873	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	21279	5.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3689	4.463	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11225	4.417	ug/l	92
94) Hexachlorobutadiene	13.78	225	5702	5.169	ug/l	97
95) Naphthalene	13.83	128	40420	4.440	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12616	4.966	ug/l	94

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

