

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011753.D
 Acq On : 22 Aug 2019 10:53
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:57 PM

Quant Time: Aug 23 01:48:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	401965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	539335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	507199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	286161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	549630	143.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.84%	
35) Dibromofluoromethane	5.49	113	510398	142.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.64%	
50) Toluene-d8	8.71	98	1815013	158.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.64%	
62) 4-Bromofluorobenzene	11.13	95	722319	152.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	558259	142.676	ug/l	99
3) Chloromethane	1.32	50	434154	108.164	ug/l	100
4) Vinyl Chloride	1.40	62	462654	127.629	ug/l	99
5) Bromomethane	1.63	94	247413	147.156	ug/l	98
6) Chloroethane	1.70	64	221019	122.419	ug/l	98
7) Trichlorofluoromethane	1.91	101	731710	141.703	ug/l	98
8) Diethyl Ether	2.18	74	244765	139.431	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	445318	126.671	ug/l	98
10) Methyl Iodide	2.50	142	615541	126.319	ug/l	98
11) Tert butyl alcohol	3.06	59	607796	680.135	ug/l	100
12) 1,1-Dichloroethene	2.35	96	442490	130.678	ug/l	98
13) Acrolein	2.29	56	266135	871.869	ug/l	98
14) Allyl chloride	2.71	41	735484	130.896	ug/l	98
15) Acrylonitrile	3.14	53	1334729	649.322	ug/l	99
16) Acetone	2.44	43	1168527	626.656	ug/l	98
17) Carbon Disulfide	2.56	76	1191552	147.025	ug/l	99
18) Methyl Acetate	2.77	43	716143	126.266	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	1440929	130.910	ug/l	98
20) Methylene Chloride	2.85	84	483292	123.658	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	474108	131.210	ug/l	97
22) Diisopropyl ether	3.85	45	1392757	125.823	ug/l	99
23) Vinyl Acetate	3.81	43	5840971	661.297	ug/l	100
24) 1,1-Dichloroethane	3.68	63	797494	126.038	ug/l	99
25) 2-Butanone	4.67	43	1874807	653.761	ug/l	99
26) 2,2-Dichloropropane	4.57	77	679387	140.511	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	544843	130.324	ug/l	98
28) Bromochloromethane	5.01	49	351652	125.994	ug/l	99
29) Tetrahydrofuran	5.12	42	1190309	631.783	ug/l	99
30) Chloroform	5.20	83	847544	126.823	ug/l	100
31) Cyclohexane	5.57	56	729380	133.742	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	780004	135.101	ug/l	99
36) 1,1-Dichloropropene	5.79	75	629589	138.743	ug/l	98
37) Ethyl Acetate	4.83	43	686674	132.302	ug/l	99
38) Carbon Tetrachloride	5.77	117	714823	142.524	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	807546	142.759	ug/l	100
40) Benzene	6.13	78	1878521	133.452	ug/l	99
41) Methacrylonitrile	5.04	41	389616	137.186	ug/l	97
42) 1,2-Dichloroethane	6.18	62	647652	131.605	ug/l	99
43) Isopropyl Acetate	6.44	43	1095485	134.886	ug/l	99
44) Trichloroethene	7.21	130	589422	139.858	ug/l	97
45) 1,2-Dichloropropane	7.51	63	475810	135.467	ug/l	100
46) Dibromomethane	7.66	93	338654	131.557	ug/l	97
47) Bromodichloromethane	7.90	83	659399	139.983	ug/l	100
48) Methyl methacrylate	7.77	41	555809	138.326	ug/l	99
49) 1,4-Dioxane	7.74	88	291975	2723.716	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	3557789	672.311	ug/l	99
52) Toluene	8.78	92	1192770	132.114	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	743700	152.207	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	792526	148.541	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	502389	131.220	ug/l	98
56) Ethyl methacrylate	9.18	69	801967	144.293	ug/l	99
57) 1,3-Dichloropropane	9.37	76	802397	132.779	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	2132133	761.702	ug/l	100
59) 2-Hexanone	9.49	43	2809393	687.446	ug/l	99
60) Dibromochloromethane	9.58	129	606525	152.397	ug/l	99
61) 1,2-Dibromoethane	9.67	107	565387	138.150	ug/l	100
64) Tetrachloroethene	9.34	164	546296	130.315	ug/l	99
65) Chlorobenzene	10.13	112	1409944	132.410	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	555023	138.990	ug/l	99
67) Ethyl Benzene	10.25	91	2388418	133.152	ug/l	99
68) m/p-Xylenes	10.36	106	1886943	273.865	ug/l	97
69) o-Xylene	10.69	106	917954	135.902	ug/l	96
70) Styrene	10.71	104	1595881	141.087	ug/l	98
71) Bromoform	10.85	173	541752	159.853	ug/l #	99
73) Isopropylbenzene	11.02	105	2442370	133.072	ug/l	100
74) N-amyl acetate	10.90	43	1038366	134.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	820696	131.429	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	692909m	129.925	ug/l	
77) Bromobenzene	11.26	156	724443	133.412	ug/l	98
78) n-propylbenzene	11.36	91	2707670	136.842	ug/l	99
79) 2-Chlorotoluene	11.42	91	1609608	132.634	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2111774	136.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	292032	162.495	ug/l	94
82) 4-Chlorotoluene	11.51	91	1892426	134.274	ug/l	99
83) tert-Butylbenzene	11.77	119	2059633	131.638	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	2109309	136.448	ug/l	99
85) sec-Butylbenzene	11.94	105	2331086	132.554	ug/l	100
86) p-Isopropyltoluene	12.06	119	2323126	139.664	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1254794	133.835	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	1274517	134.187	ug/l	100
89) n-Butylbenzene	12.38	91	2001380	146.150	ug/l	100
90) Hexachloroethane	12.60	117	402602	153.104	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	1264529	134.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	204626	141.991	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1046056	149.319	ug/l	99
94) Hexachlorobutadiene	13.78	225	542903	144.056	ug/l	100
95) Naphthalene	13.83	128	2959373	150.814	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1037714	147.195	ug/l	99

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

