

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010904.D
 Acq On : 16 Jul 2019 11:39
 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
 7/17/2019 10:45:18 AM

Quant Time: Jul 17 04:37:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	335336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	354186	164.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.98%	
35) Dibromofluoromethane	5.50	113	317760	154.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.20%	
50) Toluene-d8	8.71	98	1188498	151.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.86%	
62) 4-Bromofluorobenzene	11.13	95	466059	163.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	358770	209.973	ug/l	98
3) Chloromethane	1.32	50	307410	164.260	ug/l	100
4) Vinyl Chloride	1.41	62	325791	159.404	ug/l	100
5) Bromomethane	1.64	94	164934	162.840	ug/l	99
6) Chloroethane	1.70	64	144796	119.043	ug/l	98
7) Trichlorofluoromethane	1.92	101	537504	165.851	ug/l	98
8) Diethyl Ether	2.19	74	173754	151.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	294252	151.621	ug/l	100
10) Methyl Iodide	2.50	142	429559	157.324	ug/l	100
11) Tert butyl alcohol	3.07	59	376690	684.490	ug/l	100
12) 1,1-Dichloroethene	2.37	96	298634	151.831	ug/l	98
13) Acrolein	2.29	56	235726	655.947	ug/l	98
14) Allyl chloride	2.72	41	441919	158.624	ug/l	99
15) Acrylonitrile	3.15	53	814189	744.825	ug/l	99
16) Acetone	2.45	43	737211	702.769	ug/l	97
17) Carbon Disulfide	2.56	76	816100	155.633	ug/l	99
18) Methyl Acetate	2.78	43	338949	158.592	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	964325	156.451	ug/l	98
20) Methylene Chloride	2.85	84	327561	149.806	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	309922	147.181	ug/l	99
22) Diisopropyl ether	3.86	45	912104	156.433	ug/l	88
23) Vinyl Acetate	3.82	43	4089975	813.123	ug/l	99
24) 1,1-Dichloroethane	3.70	63	521662	155.054	ug/l	100
25) 2-Butanone	4.68	43	1155734	748.372	ug/l	99
26) 2,2-Dichloropropane	4.58	77	449543	154.408	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	358106	148.095	ug/l	99
28) Bromochloromethane	5.02	49	239700	149.209	ug/l	99
29) Tetrahydrofuran	5.13	42	727367	756.495	ug/l	100
30) Chloroform	5.21	83	566446	156.275	ug/l	98
31) Cyclohexane	5.57	56	476078	154.889	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	517942	161.826	ug/l	100
36) 1,1-Dichloropropene	5.80	75	415633	154.804	ug/l	99
37) Ethyl Acetate	4.84	43	439158	159.427	ug/l	100
38) Carbon Tetrachloride	5.78	117	468365	162.538	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	539219	153.331	ug/l	99
40) Benzene	6.14	78	1239980	149.224	ug/l	100
41) Methacrylonitrile	5.05	41	237363	157.896	ug/l	97
42) 1,2-Dichloroethane	6.19	62	438371	170.840	ug/l	99
43) Isopropyl Acetate	6.45	43	729358	160.605	ug/l	99
44) Trichloroethene	7.21	130	364068	146.753	ug/l	95
45) 1,2-Dichloropropane	7.51	63	314077	149.541	ug/l	99
46) Dibromomethane	7.66	93	235276	156.035	ug/l	99
47) Bromodichloromethane	7.90	83	453803	165.054	ug/l	98
48) Methyl methacrylate	7.77	41	357605	168.920	ug/l	98
49) 1,4-Dioxane	7.74	88	174122	2858.970	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2286553	783.992	ug/l	99
52) Toluene	8.79	92	823435	150.570	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	518373	168.547	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	539607	160.968	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	349181	155.215	ug/l	97
56) Ethyl methacrylate	9.18	69	550627	161.559	ug/l	100
57) 1,3-Dichloropropane	9.37	76	548106	156.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1300233	806.026	ug/l	100
59) 2-Hexanone	9.49	43	1770430	771.244	ug/l	100
60) Dibromochloromethane	9.58	129	411029	164.251	ug/l	100
61) 1,2-Dibromoethane	9.67	107	385790	158.656	ug/l	100
64) Tetrachloroethene	9.34	164	332932	129.489	ug/l	98
65) Chlorobenzene	10.14	112	943709	145.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	365238	155.127	ug/l	99
67) Ethyl Benzene	10.25	91	1645827	149.912	ug/l	100
68) m/p-Xylenes	10.36	106	1262563	297.520	ug/l	100
69) o-Xylene	10.70	106	615816	147.384	ug/l	99
70) Styrene	10.71	104	1075395	153.526	ug/l	99
71) Bromoform	10.85	173	325572	161.742	ug/l #	99
73) Isopropylbenzene	11.02	105	1670687	146.264	ug/l	100
74) N-amyl acetate	10.90	43	684444	158.284	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	534164	141.369	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	439868m	143.251	ug/l	
77) Bromobenzene	11.26	156	450559	141.554	ug/l	98
78) n-propylbenzene	11.36	91	1892308	150.607	ug/l	99
79) 2-Chlorotoluene	11.42	91	1110291	148.185	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1407124	149.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191209	149.912	ug/l	95
82) 4-Chlorotoluene	11.51	91	1303182	152.674	ug/l	99
83) tert-Butylbenzene	11.77	119	1386746	146.711	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1428427	150.809	ug/l	99
85) sec-Butylbenzene	11.94	105	1647846	148.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	1539540	149.935	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	800597	143.853	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	806912	142.233	ug/l	99
89) n-Butylbenzene	12.39	91	1379396	157.833	ug/l	100
90) Hexachloroethane	12.60	117	274447	157.687	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	775559	140.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	126788	154.940	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	573701	150.004	ug/l	98
94) Hexachlorobutadiene	13.78	225	274112	146.909	ug/l	98
95) Naphthalene	13.83	128	1733770	148.474	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	566464	149.298	ug/l	99

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

