

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008955.D
 Acq On : 15 Apr 2019 11:55
 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
 4/16/2019 10:53:07 AM

Quant Time: Apr 16 02:11:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	426276	144.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.60%	
35) Dibromofluoromethane	5.50	113	320341	151.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.02%	
50) Toluene-d8	8.72	98	1246150	147.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.00%	
62) 4-Bromofluorobenzene	11.14	95	455696	152.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	392451	164.699	ug/l	99
3) Chloromethane	1.32	50	452635	139.776	ug/l	98
4) Vinyl Chloride	1.41	62	444825	141.548	ug/l	98
5) Bromomethane	1.64	94	292899	168.814	ug/l	99
6) Chloroethane	1.70	64	263782	126.279	ug/l	95
7) Trichlorofluoromethane	1.92	101	500701	143.411	ug/l	99
8) Diethyl Ether	2.19	74	231466	140.864	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	324044	144.911	ug/l	99
10) Methyl Iodide	2.50	142	375631	197.682	ug/l	99
11) Tert butyl alcohol	3.08	59	504139	733.952	ug/l	99
12) 1,1-Dichloroethene	2.36	96	335050	143.129	ug/l	100
13) Acrolein	2.29	56	442482	1124.182	ug/l	100
14) Allyl chloride	2.72	41	765106	143.291	ug/l	99
15) Acrylonitrile	3.15	53	1221450	672.103	ug/l	100
16) Acetone	2.45	43	1061271	633.507	ug/l	98
17) Carbon Disulfide	2.56	76	1011140	134.565	ug/l	100
18) Methyl Acetate	2.78	43	548524	133.810	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1221772	146.611	ug/l	100
20) Methylene Chloride	2.85	84	370432	130.952	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	359083	141.657	ug/l	98
22) Diisopropyl ether	3.86	45	1426342	138.898	ug/l	90
23) Vinyl Acetate	3.82	43	6539577	730.749	ug/l	100
24) 1,1-Dichloroethane	3.70	63	727279	143.138	ug/l	100
25) 2-Butanone	4.68	43	1794080	674.275	ug/l	98
26) 2,2-Dichloropropane	4.58	77	555033	153.882	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	413135	142.321	ug/l	100
28) Bromochloromethane	5.02	49	281399	117.635	ug/l	99
29) Tetrahydrofuran	5.13	42	1199207	676.623	ug/l	100
30) Chloroform	5.21	83	648551	142.635	ug/l	100
31) Cyclohexane	5.58	56	718489	141.031	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	558340	151.587	ug/l	99
36) 1,1-Dichloropropene	5.80	75	527706	146.925	ug/l	99
37) Ethyl Acetate	4.84	43	692023	144.918	ug/l	100
38) Carbon Tetrachloride	5.79	117	473169	158.848	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	659625	148.486	ug/l	98
40) Benzene	6.14	78	1558976	145.718	ug/l	99
41) Methacrylonitrile	5.05	41	393646	142.958	ug/l	100
42) 1,2-Dichloroethane	6.19	62	551070	143.749	ug/l	99
43) Isopropyl Acetate	6.45	43	1110936	148.204	ug/l	100
44) Trichloroethene	7.21	130	379814	151.645	ug/l	99
45) 1,2-Dichloropropane	7.51	63	437556	143.799	ug/l	99
46) Dibromomethane	7.66	93	252438	142.543	ug/l	99
47) Bromodichloromethane	7.90	83	516852	154.789	ug/l	100
48) Methyl methacrylate	7.77	41	548884	145.108	ug/l	99
49) 1,4-Dioxane	7.74	88	200663	2851.713	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3406775	707.340	ug/l	99
52) Toluene	8.79	92	913078	144.806	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	608949	162.094	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	665708	155.546	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	359306	141.859	ug/l	99
56) Ethyl methacrylate	9.18	69	678408	148.531	ug/l	100
57) 1,3-Dichloropropane	9.37	76	639934	141.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1763872	749.061	ug/l	100
59) 2-Hexanone	9.49	43	2676646	714.739	ug/l	99
60) Dibromochloromethane	9.59	129	379151	158.538	ug/l	99
61) 1,2-Dibromoethane	9.67	107	375138	142.305	ug/l	99
64) Tetrachloroethene	9.34	164	325681	151.165	ug/l	98
65) Chlorobenzene	10.14	112	929540	146.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	344590	154.441	ug/l	99
67) Ethyl Benzene	10.25	91	1737869	146.896	ug/l	99
68) m/p-Xylenes	10.36	106	1273112	298.863	ug/l	100
69) o-Xylene	10.70	106	615858	149.140	ug/l	100
70) Styrene	10.71	104	1092320	153.442	ug/l	99
71) Bromoform	10.86	173	297319	173.601	ug/l #	98
73) Isopropylbenzene	11.02	105	1633685	133.592	ug/l	100
74) N-amyl acetate	10.90	43	1015198	141.199	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	604316	130.286	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	493822m	121.886	ug/l	
77) Bromobenzene	11.26	156	408488	138.171	ug/l	99
78) n-propylbenzene	11.36	91	1939782	136.302	ug/l	99
79) 2-Chlorotoluene	11.42	91	1135827	131.947	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1415106	138.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	233469	157.539	ug/l	98
82) 4-Chlorotoluene	11.51	91	1347693	135.183	ug/l	99
83) tert-Butylbenzene	11.77	119	1384524	140.259	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1435705	138.282	ug/l	99
85) sec-Butylbenzene	11.94	105	1629972	138.996	ug/l	99
86) p-Isopropyltoluene	12.07	119	1505834	142.628	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	745092	140.850	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	748286	139.470	ug/l	99
89) n-Butylbenzene	12.39	91	1450017	146.602	ug/l	100
90) Hexachloroethane	12.60	117	264780	151.062	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	748262	142.482	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	147179	143.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	553609	150.335	ug/l	100
94) Hexachlorobutadiene	13.78	225	270262	153.130	ug/l	100
95) Naphthalene	13.83	128	1779305	145.904	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	545247	148.500	ug/l	100

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

