

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008758.D
 Acq On : 08 Apr 2019 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:50:45 PM

Quant Time: Apr 09 09:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	249332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	122971	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	5.50	113	90751	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	350470	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.13	95	122002	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81987	42.353	ug/l	99
3) Chloromethane	1.32	50	110321	46.380	ug/l	100
4) Vinyl Chloride	1.40	62	115605	44.178	ug/l	99
5) Bromomethane	1.64	94	57016	44.448	ug/l	98
6) Chloroethane	1.71	64	69032	48.194	ug/l	97
7) Trichlorofluoromethane	1.92	101	133973	46.315	ug/l	98
8) Diethyl Ether	2.19	74	65689	47.886	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81166	43.581	ug/l	96
10) Methyl Iodide	2.50	142	84000	49.561	ug/l	99
11) Tert butyl alcohol	3.07	59	161536	281.302	ug/l	99
12) 1,1-Dichloroethene	2.37	96	85221	43.834	ug/l	98
13) Acrolein	2.29	56	96656	339.453	ug/l	100
14) Allyl chloride	2.72	41	211886	47.607	ug/l	98
15) Acrylonitrile	3.15	53	392335	257.899	ug/l	100
16) Acetone	2.45	43	313708	222.051	ug/l	100
17) Carbon Disulfide	2.56	76	247003	43.905	ug/l	99
18) Methyl Acetate	2.78	43	183866	53.662	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	348752	50.230	ug/l	99
20) Methylene Chloride	2.85	84	106208	44.912	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	96384	45.833	ug/l	96
22) Diisopropyl ether	3.86	45	419095	48.855	ug/l	98
23) Vinyl Acetate	3.82	43	1886237	252.757	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206011	48.504	ug/l	99
25) 2-Butanone	4.68	43	594578	266.277	ug/l	99
26) 2,2-Dichloropropane	4.58	77	115659	38.663	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	113907	47.111	ug/l	97
28) Bromochloromethane	5.02	49	95703	54.196	ug/l	100
29) Tetrahydrofuran	5.13	42	397569	268.257	ug/l	100
30) Chloroform	5.21	83	185461	48.889	ug/l	98
31) Cyclohexane	5.58	56	192811	45.496	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	151647	49.469	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139330	44.028	ug/l	99
37) Ethyl Acetate	4.84	43	218670	51.768	ug/l	99
38) Carbon Tetrachloride	5.79	117	124481	47.526	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	169305	43.308	ug/l	98
40) Benzene	6.14	78	438825	46.547	ug/l	100
41) Methacrylonitrile	5.05	41	123202	50.742	ug/l	99
42) 1,2-Dichloroethane	6.20	62	158279	46.831	ug/l	100
43) Isopropyl Acetate	6.45	43	334188	50.505	ug/l	100
44) Trichloroethene	7.21	130	101064	46.027	ug/l	98
45) 1,2-Dichloropropane	7.52	63	125999	46.824	ug/l	99
46) Dibromomethane	7.66	93	71868	46.050	ug/l	99
47) Bromodichloromethane	7.90	83	142803	48.529	ug/l	99
48) Methyl methacrylate	7.77	41	165391	49.412	ug/l	99
49) 1,4-Dioxane	7.74	88	64194	1023.785	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1097553	257.666	ug/l	100
52) Toluene	8.79	92	257128	46.262	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	157954	47.919	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	178112	47.289	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106394	47.688	ug/l	99
56) Ethyl methacrylate	9.18	69	197738	48.985	ug/l	100
57) 1,3-Dichloropropane	9.37	76	190565	47.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	525315	254.857	ug/l	99
59) 2-Hexanone	9.49	43	842566	254.526	ug/l	100
60) Dibromochloromethane	9.59	129	104526	49.718	ug/l	100
61) 1,2-Dibromoethane	9.67	107	111100	47.834	ug/l	99
64) Tetrachloroethene	9.34	164	87959	47.615	ug/l	99
65) Chlorobenzene	10.14	112	259051	46.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	97102	50.080	ug/l	99
67) Ethyl Benzene	10.25	91	483150	46.881	ug/l	100
68) m/p-Xylenes	10.36	106	344334	92.925	ug/l	99
69) o-Xylene	10.70	106	169459	47.189	ug/l	98
70) Styrene	10.71	104	296079	47.831	ug/l	99
71) Bromoform	10.86	173	76890	51.922	ug/l #	98
73) Isopropylbenzene	11.02	105	448841	47.764	ug/l	100
74) N-amyl acetate	10.90	43	277217	50.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	174133	48.724	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	149291m	47.927	ug/l	
77) Bromobenzene	11.26	156	107700	47.674	ug/l	99
78) n-propylbenzene	11.36	91	515573	47.120	ug/l	100
79) 2-Chlorotoluene	11.42	91	307249	46.402	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	375864	47.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56123	49.665	ug/l	99
82) 4-Chlorotoluene	11.51	91	348630	45.486	ug/l	98
83) tert-Butylbenzene	11.77	119	364873	48.080	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	380463	47.634	ug/l	100
85) sec-Butylbenzene	11.94	105	427275	47.400	ug/l	99
86) p-Isopropyltoluene	12.06	119	383784	47.435	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	186933	46.222	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184668	45.093	ug/l	99
89) n-Butylbenzene	12.39	91	352504	46.458	ug/l	100
90) Hexachloroethane	12.60	117	66243	49.364	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	186837	46.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41513	52.803	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	129480	46.377	ug/l	99
94) Hexachlorobutadiene	13.78	225	63389	47.342	ug/l	100
95) Naphthalene	13.83	128	466540	49.998	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131003	46.963	ug/l	99

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

