

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009740.D
 Acq On : 20 May 2019 20:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 9:13:57 AM

Quant Time: May 21 08:46:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	143770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	231352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108463	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	93720	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.50	113	69574	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	8.71	98	268894	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	11.13	95	103857	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	54458	41.105	ug/l	99
3) Chloromethane	1.32	50	84661	46.806	ug/l	98
4) Vinyl Chloride	1.41	62	82872	46.985	ug/l	100
5) Bromomethane	1.64	94	47139	44.528	ug/l	98
6) Chloroethane	1.71	64	58540	51.695	ug/l	100
7) Trichlorofluoromethane	1.92	101	106237	49.551	ug/l	96
8) Diethyl Ether	2.19	74	50784	50.006	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65806	48.877	ug/l	99
10) Methyl Iodide	2.51	142	69117	44.718	ug/l	98
11) Tert butyl alcohol	3.06	59	123055	270.867	ug/l	100
12) 1,1-Dichloroethene	2.37	96	64629	47.910	ug/l	93
13) Acrolein	2.29	56	100221	243.592	ug/l	99
14) Allyl chloride	2.73	41	163296	49.672	ug/l	99
15) Acrylonitrile	3.14	53	296052	266.521	ug/l	99
16) Acetone	2.45	43	259258	246.009	ug/l	99
17) Carbon Disulfide	2.57	76	163800	43.249	ug/l	99
18) Methyl Acetate	2.78	43	135144	53.922	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	271996	51.923	ug/l	99
20) Methylene Chloride	2.85	84	82988	48.635	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	70859	48.435	ug/l	99
22) Diisopropyl ether	3.85	45	333693	52.781	ug/l	95
23) Vinyl Acetate	3.82	43	1478256	273.056	ug/l	99
24) 1,1-Dichloroethane	3.70	63	157613	50.536	ug/l	100
25) 2-Butanone	4.68	43	444656	271.519	ug/l	97
26) 2,2-Dichloropropane	4.59	77	104954	45.211	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	86268	49.403	ug/l	99
28) Bromochloromethane	5.02	49	59001	46.821	ug/l	98
29) Tetrahydrofuran	5.13	42	290572	275.730	ug/l	98
30) Chloroform	5.21	83	146868	52.067	ug/l	97
31) Cyclohexane	5.58	56	140283	48.346	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	118968	50.664	ug/l	99
36) 1,1-Dichloropropene	5.80	75	105643	49.137	ug/l	100
37) Ethyl Acetate	4.84	43	161466	53.902	ug/l	99
38) Carbon Tetrachloride	5.79	117	98343	50.345	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125451	47.512	ug/l	97
40) Benzene	6.14	78	335888	50.480	ug/l	99
41) Methacrylonitrile	5.04	41	94643	53.076	ug/l	99
42) 1,2-Dichloroethane	6.20	62	125770	52.693	ug/l	99
43) Isopropyl Acetate	6.45	43	261534	54.582	ug/l	99
44) Trichloroethene	7.21	130	79499	49.422	ug/l	97
45) 1,2-Dichloropropane	7.51	63	98176	52.108	ug/l	100
46) Dibromomethane	7.66	93	55495	50.722	ug/l	99
47) Bromodichloromethane	7.90	83	115180	52.775	ug/l	99
48) Methyl methacrylate	7.77	41	131911	55.490	ug/l	98
49) 1,4-Dioxane	7.74	88	48746	1011.127	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	896809	286.349	ug/l	99
52) Toluene	8.79	92	204834	50.643	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	129946	52.737	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	141466	51.870	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	87720	53.160	ug/l	97
56) Ethyl methacrylate	9.18	69	158163	53.696	ug/l	97
57) 1,3-Dichloropropane	9.37	76	152059	52.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	342093	218.925	ug/l	100
59) 2-Hexanone	9.49	43	689617	280.363	ug/l	98
60) Dibromochloromethane	9.58	129	86960	53.957	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86961	52.207	ug/l	99
64) Tetrachloroethene	9.34	164	72292	49.296	ug/l	98
65) Chlorobenzene	10.14	112	217918	50.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	80217	51.736	ug/l	100
67) Ethyl Benzene	10.25	91	398978	50.691	ug/l	99
68) m/p-Xylenes	10.36	106	290129	100.871	ug/l	97
69) o-Xylene	10.69	106	143184	50.455	ug/l	98
70) Styrene	10.71	104	256031	51.908	ug/l	99
71) Bromoform	10.85	173	67697	53.727	ug/l #	99
73) Isopropylbenzene	11.02	105	384732	48.779	ug/l	100
74) N-amyl acetate	10.90	43	239234	52.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	149121	50.717	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	129531m	51.484	ug/l	
77) Bromobenzene	11.26	156	97068	49.584	ug/l	100
78) n-propylbenzene	11.36	91	445746	49.485	ug/l	100
79) 2-Chlorotoluene	11.42	91	267561	48.146	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	328018	49.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48139	48.956	ug/l	96
82) 4-Chlorotoluene	11.51	91	308799	49.186	ug/l	100
83) tert-Butylbenzene	11.77	119	317209	49.100	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	330233	49.540	ug/l	100
85) sec-Butylbenzene	11.94	105	378542	49.422	ug/l	100
86) p-Isopropyltoluene	12.06	119	342782	49.782	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	170911	48.973	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	171710	48.803	ug/l	99
89) n-Butylbenzene	12.38	91	311318	50.022	ug/l	100
90) Hexachloroethane	12.60	117	58609	49.961	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	173657	48.854	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33539	50.848	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	121688	50.062	ug/l	99
94) Hexachlorobutadiene	13.78	225	62046	49.985	ug/l	99
95) Naphthalene	13.83	128	400286	50.616	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124891	50.687	ug/l	99

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

