

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009845.D
 Acq On : 23 May 2019 08:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:39:04 AM

Quant Time: May 23 09:18:46 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	171335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285819	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108812	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.50	113	77758	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	8.71	98	319986	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
62) 4-Bromofluorobenzene	11.13	95	120967	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64856	41.077	ug/l	99
3) Chloromethane	1.32	50	103229	47.889	ug/l	99
4) Vinyl Chloride	1.41	62	99754	47.458	ug/l	99
5) Bromomethane	1.64	94	62049	49.182	ug/l	96
6) Chloroethane	1.71	64	61791	45.787	ug/l	98
7) Trichlorofluoromethane	1.93	101	118734	46.470	ug/l	99
8) Diethyl Ether	2.19	74	56762	46.900	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70017	43.638	ug/l	99
10) Methyl Iodide	2.51	142	77741	42.464	ug/l	99
11) Tert butyl alcohol	3.05	59	147464	272.373	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75772	47.133	ug/l	99
13) Acrolein	2.29	56	88425	180.344	ug/l	99
14) Allyl chloride	2.73	41	178697	45.612	ug/l	99
15) Acrylonitrile	3.14	53	316587	239.155	ug/l	100
16) Acetone	2.45	43	281834	224.406	ug/l	97
17) Carbon Disulfide	2.57	76	221902	49.164	ug/l	99
18) Methyl Acetate	2.78	43	138532	46.381	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	294363	47.153	ug/l	99
20) Methylene Chloride	2.85	84	91506	44.999	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	83140	47.687	ug/l	97
22) Diisopropyl ether	3.85	45	364921	48.434	ug/l	96
23) Vinyl Acetate	3.81	43	1601608	248.245	ug/l	99
24) 1,1-Dichloroethane	3.70	63	173180	46.594	ug/l	99
25) 2-Butanone	4.67	43	478386	245.119	ug/l	98
26) 2,2-Dichloropropane	4.59	77	75739	27.377	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	96160	46.208	ug/l	97
28) Bromochloromethane	5.02	49	86311	58.133	ug/l	96
29) Tetrahydrofuran	5.13	42	317666	252.943	ug/l	97
30) Chloroform	5.21	83	156488	46.552	ug/l	98
31) Cyclohexane	5.58	56	166017	48.010	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	131102	46.849	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123467	46.483	ug/l	100
37) Ethyl Acetate	4.84	43	178243	48.163	ug/l	98
38) Carbon Tetrachloride	5.79	117	108664	45.027	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145837	44.708	ug/l	98
40) Benzene	6.14	78	375906	45.729	ug/l	99
41) Methacrylonitrile	5.04	41	102423	46.493	ug/l	98
42) 1,2-Dichloroethane	6.20	62	136527	46.300	ug/l	100
43) Isopropyl Acetate	6.45	43	287072	48.495	ug/l	98
44) Trichloroethene	7.21	130	89760	45.167	ug/l	100
45) 1,2-Dichloropropane	7.51	63	106378	45.702	ug/l	100
46) Dibromomethane	7.66	93	60082	44.450	ug/l	99
47) Bromodichloromethane	7.90	83	123943	45.968	ug/l	96
48) Methyl methacrylate	7.77	41	146011	49.716	ug/l	97
49) 1,4-Dioxane	7.74	88	53969	906.136	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	951031	245.795	ug/l	98
52) Toluene	8.79	92	229245	45.877	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135961	44.663	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	148473	44.065	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	90814	44.547	ug/l	96
56) Ethyl methacrylate	9.18	69	174053	47.830	ug/l	97
57) 1,3-Dichloropropane	9.37	76	163855	45.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	460177	238.373	ug/l	99
59) 2-Hexanone	9.49	43	740504	243.681	ug/l	98
60) Dibromochloromethane	9.58	129	92042	46.227	ug/l	100
61) 1,2-Dibromoethane	9.67	107	95144	46.235	ug/l	99
64) Tetrachloroethene	9.34	164	86531	48.138	ug/l	98
65) Chlorobenzene	10.14	112	237915	45.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84715	44.575	ug/l	99
67) Ethyl Benzene	10.25	91	445306	46.157	ug/l	100
68) m/p-Xylenes	10.36	106	325908	92.441	ug/l	97
69) o-Xylene	10.69	106	156988	45.131	ug/l	98
70) Styrene	10.71	104	280889	46.460	ug/l	98
71) Bromoform	10.85	173	70919	45.918	ug/l #	99
73) Isopropylbenzene	11.02	105	419918	42.559	ug/l	99
74) N-amyl acetate	10.90	43	268817	46.731	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	155142	42.179	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135445m	43.035	ug/l	
77) Bromobenzene	11.26	156	105740	43.178	ug/l	99
78) n-propylbenzene	11.36	91	500093	44.381	ug/l	100
79) 2-Chlorotoluene	11.42	91	294034	42.295	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	359932	43.325	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	45944	37.350	ug/l	97
82) 4-Chlorotoluene	11.51	91	346177	44.078	ug/l	99
83) tert-Butylbenzene	11.77	119	339615	42.022	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	370043	44.375	ug/l	99
85) sec-Butylbenzene	11.94	105	414072	43.216	ug/l	100
86) p-Isopropyltoluene	12.06	119	375426	43.584	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	191041	43.759	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193663	44.000	ug/l	99
89) n-Butylbenzene	12.38	91	356787	45.827	ug/l	99
90) Hexachloroethane	12.60	117	63261	43.108	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	192241	43.233	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37142	45.014	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	141535	46.546	ug/l	99
94) Hexachlorobutadiene	13.78	225	66903	43.085	ug/l	99
95) Naphthalene	13.83	128	447802	45.265	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139362	45.213	ug/l	100

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

