

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\
 Data File : VX009847.D
 Acq On : 23 May 2019 10:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:01:47 AM

Quant Time: May 23 14:13:34 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	188831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299137	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115213	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	5.49	113	81524	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
50) Toluene-d8	8.71	98	336146	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	
62) 4-Bromofluorobenzene	11.13	95	127260	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	70251	40.372	ug/l 99
3) Chloromethane	1.32	50	110284	46.422	ug/l 100
4) Vinyl Chloride	1.41	62	103913	44.856	ug/l 100
5) Bromomethane	1.64	94	65925	47.413	ug/l 95
6) Chloroethane	1.71	64	65087	43.761	ug/l 97
7) Trichlorofluoromethane	1.92	101	125083	44.419	ug/l 97
8) Diethyl Ether	2.19	74	60822	45.598	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76946	43.513	ug/l 99
10) Methyl Iodide	2.51	142	84579	41.977	ug/l 99
11) Tert butyl alcohol	3.06	59	136508	228.775	ug/l 99
12) 1,1-Dichloroethene	2.37	96	79204	44.703	ug/l 99
13) Acrolein	2.29	56	117352	217.165	ug/l 100
14) Allyl chloride	2.73	41	201279	46.616	ug/l 98
15) Acrylonitrile	3.14	53	326345	223.685	ug/l 100
16) Acetone	2.45	43	349932	252.812	ug/l 99
17) Carbon Disulfide	2.56	76	234338	47.109	ug/l 100
18) Methyl Acetate	2.77	43	142641	43.332	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	318364	46.272	ug/l 100
20) Methylene Chloride	2.85	84	98801	44.085	ug/l 96
21) trans-1,2-Dichloroethene	3.16	96	87899	45.745	ug/l 97
22) Diisopropyl ether	3.85	45	390363	47.011	ug/l 98
23) Vinyl Acetate	3.81	43	1760733	247.622	ug/l 98
24) 1,1-Dichloroethane	3.69	63	184247	44.979	ug/l 99
25) 2-Butanone	4.67	43	529418	246.133	ug/l 98
26) 2,2-Dichloropropane	4.58	77	142077	46.597	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	102682	44.770	ug/l 97
28) Bromochloromethane	5.01	49	92287	56.313	ug/l 96
29) Tetrahydrofuran	5.12	42	326594	235.957	ug/l 97
30) Chloroform	5.20	83	169052	45.630	ug/l 99
31) Cyclohexane	5.57	56	178021	46.711	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	137750	44.664	ug/l 99
36) 1,1-Dichloropropene	5.80	75	129340	46.527	ug/l 99
37) Ethyl Acetate	4.83	43	187651	48.448	ug/l 98
38) Carbon Tetrachloride	5.78	117	115734	45.822	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	163617	47.925	ug/l	97
40) Benzene	6.14	78	397431	46.195	ug/l	99
41) Methacrylonitrile	5.04	41	105709	45.848	ug/l	99
42) 1,2-Dichloroethane	6.19	62	146912	47.603	ug/l	99
43) Isopropyl Acetate	6.44	43	305300	49.278	ug/l	99
44) Trichloroethene	7.21	130	94707	45.535	ug/l	97
45) 1,2-Dichloropropane	7.51	63	115036	47.221	ug/l	100
46) Dibromomethane	7.66	93	64798	45.804	ug/l	99
47) Bromodichloromethane	7.90	83	133324	47.246	ug/l	97
48) Methyl methacrylate	7.77	41	155988	50.749	ug/l	98
49) 1,4-Dioxane	7.74	88	53735	862.039	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	995602	245.858	ug/l	99
52) Toluene	8.78	92	244658	46.782	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	160435	50.357	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	174165	49.389	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	97387	45.645	ug/l	97
56) Ethyl methacrylate	9.18	69	186211	48.892	ug/l	96
57) 1,3-Dichloropropane	9.37	76	174807	46.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	476421	235.800	ug/l	99
59) 2-Hexanone	9.49	43	786458	247.281	ug/l	97
60) Dibromochloromethane	9.58	129	99015	47.515	ug/l	99
61) 1,2-Dibromoethane	9.67	107	101307	47.038	ug/l	100
64) Tetrachloroethene	9.34	164	86014	45.107	ug/l	98
65) Chlorobenzene	10.13	112	258831	46.544	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	92501	45.881	ug/l	99
67) Ethyl Benzene	10.25	91	479740	46.875	ug/l	100
68) m/p-Xylenes	10.36	106	352743	94.317	ug/l	98
69) o-Xylene	10.69	106	171630	46.512	ug/l	99
70) Styrene	10.71	104	304386	47.460	ug/l	99
71) Bromoform	10.85	173	75754	46.237	ug/l #	99
73) Isopropylbenzene	11.02	105	459715	44.924	ug/l	100
74) N-amyl acetate	10.90	43	276777	46.392	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	161250	42.270	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145616m	44.609	ug/l	
77) Bromobenzene	11.26	156	113959	44.867	ug/l	99
78) n-propylbenzene	11.36	91	543083	46.470	ug/l	100
79) 2-Chlorotoluene	11.42	91	320006	44.382	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	394400	45.773	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57918	45.398	ug/l	97
82) 4-Chlorotoluene	11.51	91	378560	46.475	ug/l	98
83) tert-Butylbenzene	11.77	119	375504	44.799	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	400991	46.364	ug/l	99
85) sec-Butylbenzene	11.94	105	450318	45.315	ug/l	100
86) p-Isopropyltoluene	12.06	119	413179	46.249	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	206965	45.709	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	208558	45.687	ug/l	99
89) n-Butylbenzene	12.38	91	395107	48.932	ug/l	100
90) Hexachloroethane	12.60	117	69150	45.433	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	202394	43.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36983	43.216	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	152269	48.282	ug/l	98
94) Hexachlorobutadiene	13.78	225	74905	46.511	ug/l	100
95) Naphthalene	13.83	128	460534	44.884	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149410	46.737	ug/l	99

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

