

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051019\
 Data File : VX009511.D
 Acq On : 11 May 2019 03:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:12 AM

Quant Time: May 11 04:41:39 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	153616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104795	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	5.50	113	78188	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	8.71	98	310903	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	114725	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67982	48.024	ug/l	100
3) Chloromethane	1.32	50	99996	51.740	ug/l	99
4) Vinyl Chloride	1.41	62	101036	53.612	ug/l	97
5) Bromomethane	1.64	94	57565	50.891	ug/l	98
6) Chloroethane	1.71	64	63553	52.524	ug/l	99
7) Trichlorofluoromethane	1.92	101	123442	53.886	ug/l	99
8) Diethyl Ether	2.19	74	57933	53.389	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74277	51.633	ug/l	99
10) Methyl Iodide	2.51	142	92979	55.111	ug/l	99
11) Tert butyl alcohol	3.05	59	134210	276.486	ug/l	100
12) 1,1-Dichloroethene	2.37	96	77826	53.995	ug/l	99
13) Acrolein	2.29	56	112685	256.332	ug/l	100
14) Allyl chloride	2.73	41	180163	51.290	ug/l	100
15) Acrylonitrile	3.14	53	320729	270.230	ug/l	99
16) Acetone	2.45	43	279425	248.151	ug/l	97
17) Carbon Disulfide	2.57	76	220597	54.513	ug/l	100
18) Methyl Acetate	2.77	43	138937	51.882	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	301788	53.918	ug/l	99
20) Methylene Chloride	2.85	84	95612	52.442	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	83269	53.270	ug/l	98
22) Diisopropyl ether	3.85	45	365220	54.065	ug/l	98
23) Vinyl Acetate	3.81	43	1627312	281.322	ug/l	100
24) 1,1-Dichloroethane	3.70	63	176157	52.862	ug/l	99
25) 2-Butanone	4.67	43	474705	271.289	ug/l	100
26) 2,2-Dichloropropane	4.59	77	93458	37.678	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	100624	53.931	ug/l	95
28) Bromochloromethane	5.02	49	66628	49.649	ug/l	98
29) Tetrahydrofuran	5.13	42	318857	283.177	ug/l	99
30) Chloroform	5.21	83	163904	54.382	ug/l	100
31) Cyclohexane	5.58	56	169625	54.712	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	134999	53.807	ug/l	99
36) 1,1-Dichloropropene	5.80	75	122776	52.539	ug/l	99
37) Ethyl Acetate	4.84	43	180640	55.480	ug/l	99
38) Carbon Tetrachloride	5.78	117	113144	53.290	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148506	51.747	ug/l	98
40) Benzene	6.14	78	387333	53.557	ug/l	99
41) Methacrylonitrile	5.04	41	103728	53.519	ug/l	100
42) 1,2-Dichloroethane	6.19	62	139664	53.835	ug/l	100
43) Isopropyl Acetate	6.45	43	283682	54.470	ug/l	100
44) Trichloroethene	7.21	130	90720	51.888	ug/l	98
45) 1,2-Dichloropropane	7.51	63	108909	53.182	ug/l	97
46) Dibromomethane	7.66	93	62970	52.952	ug/l	98
47) Bromodichloromethane	7.90	83	126523	53.337	ug/l	99
48) Methyl methacrylate	7.77	41	144465	55.911	ug/l	98
49) 1,4-Dioxane	7.74	88	56450	1077.296	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	952161	279.712	ug/l	99
52) Toluene	8.79	92	234537	53.350	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	138497	51.713	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	155916	52.597	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95853	53.443	ug/l	97
56) Ethyl methacrylate	9.18	69	175105	54.694	ug/l	99
57) 1,3-Dichloropropane	9.37	76	168202	53.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	413536	243.483	ug/l	100
59) 2-Hexanone	9.49	43	741660	277.410	ug/l	100
60) Dibromochloromethane	9.58	129	95999	54.803	ug/l	99
61) 1,2-Dibromoethane	9.67	107	98645	54.486	ug/l	100
64) Tetrachloroethene	9.34	164	86260	55.119	ug/l	99
65) Chlorobenzene	10.13	112	243184	53.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89442	54.056	ug/l	100
67) Ethyl Benzene	10.25	91	451549	53.759	ug/l	100
68) m/p-Xylenes	10.36	106	330155	107.563	ug/l	97
69) o-Xylene	10.69	106	163008	53.826	ug/l	100
70) Styrene	10.71	104	287664	54.651	ug/l	100
71) Bromoform	10.85	173	73889	54.951	ug/l #	100
73) Isopropylbenzene	11.02	105	428941	51.647	ug/l	99
74) N-amyl acetate	10.90	43	262678	54.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	163466	52.798	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140612m	53.076	ug/l	
77) Bromobenzene	11.26	156	107764	52.277	ug/l	100
78) n-propylbenzene	11.36	91	493032	51.980	ug/l	99
79) 2-Chlorotoluene	11.42	91	296650	50.694	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	365278	52.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49629	47.931	ug/l	97
82) 4-Chlorotoluene	11.51	91	342197	51.763	ug/l	100
83) tert-Butylbenzene	11.77	119	351624	51.688	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	369902	52.698	ug/l	99
85) sec-Butylbenzene	11.94	105	418151	51.846	ug/l	100
86) p-Isopropyltoluene	12.06	119	379934	52.401	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190401	51.812	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	192002	51.824	ug/l	99
89) n-Butylbenzene	12.38	91	334187	50.995	ug/l	100
90) Hexachloroethane	12.59	117	64196	51.970	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	195533	52.240	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36741	52.900	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	134454	52.530	ug/l	99
94) Hexachlorobutadiene	13.78	225	66958	51.228	ug/l	99
95) Naphthalene	13.83	128	446185	53.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137738	53.088	ug/l	99

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

