

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004695.D
 Acq On : 19 Sep 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:34 PM

Quant Time: Sep 19 16:53:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	273211	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	333159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	155536	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
35) Dibromofluoromethane	5.50	113	143480	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	8.71	98	476481	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.14	95	180123	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123046	48.05	ug/l	97
3) Chloromethane	1.32	50	164905	46.80	ug/l	99
4) Vinyl Chloride	1.40	62	182263	50.39	ug/l	94
5) Bromomethane	1.64	94	74688	49.30	ug/l	98
6) Chloroethane	1.71	64	107653	46.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	224122	46.74	ug/l	88
8) Diethyl Ether	2.19	74	103667	48.23	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150534	49.49	ug/l	97
10) Methyl Iodide	2.51	142	164028	45.53	ug/l	96
11) Tert butyl alcohol	3.06	59	187981	223.63	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141121	49.43	ug/l	95
13) Acrolein	2.30	56	49078	147.91	ug/l	94
14) Allyl chloride	2.73	41	274945	46.85	ug/l	94
15) Acrylonitrile	3.15	53	454159	224.36	ug/l	99
16) Acetone	2.44	43	372685	216.75	ug/l	98
17) Carbon Disulfide	2.57	76	370042	44.85	ug/l	100
18) Methyl Acetate	2.78	43	239321	49.61	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	482669	48.19	ug/l	95
20) Methylene Chloride	2.85	84	162530	46.08	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	152004	48.19	ug/l	88
22) Diisopropyl ether	3.87	45	526837	49.84	ug/l	95
23) Vinyl Acetate	3.82	43	2131395	249.17	ug/l	98
24) 1,1-Dichloroethane	3.70	63	298332	49.99	ug/l	98
25) 2-Butanone	4.70	43	589566	215.45	ug/l	94
26) 2,2-Dichloropropane	4.58	77	232759	56.79	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	181109	51.43	ug/l	97
28) Bromochloromethane	5.01	49	118721	43.49	ug/l	98
29) Tetrahydrofuran	5.15	42	385287	233.47	ug/l	96
30) Chloroform	5.21	83	284347	48.80	ug/l	96
31) Cyclohexane	5.57	56	252038	49.46	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	226243	48.21	ug/l	98
36) 1,1-Dichloropropene	5.79	75	209142	51.71	ug/l	94
37) Ethyl Acetate	4.85	43	224086	48.71	ug/l	99
38) Carbon Tetrachloride	5.78	117	206552	52.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	239050	56.64	ug/l	97
40) Benzene	6.14	78	623939	51.99	ug/l	97
41) Methacrylonitrile	5.06	41	123801	48.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	197241	49.55	ug/l	98
43) Isopropyl Acetate	6.45	43	324837	53.16	ug/l	98
44) Trichloroethene	7.21	130	171420	54.98	ug/l	99
45) 1,2-Dichloropropane	7.51	63	148569	51.45	ug/l	99
46) Dibromomethane	7.66	93	92738	50.83	ug/l	97
47) Bromodichloromethane	7.90	83	178009	51.60	ug/l	99
48) Methyl methacrylate	7.77	41	151275	50.03	ug/l	97
49) 1,4-Dioxane	7.76	88	73068	1020.95	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	961929	223.09	ug/l	99
52) Toluene	8.79	92	356489	50.42	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208150	51.65	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227127	55.29	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	144431	47.44	ug/l	98
56) Ethyl methacrylate	9.18	69	216713	50.32	ug/l	96
57) 1,3-Dichloropropane	9.37	76	237206	47.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	521197	237.88	ug/l	98
59) 2-Hexanone	9.49	43	747801	226.10	ug/l	99
60) Dibromochloromethane	9.59	129	150023	52.34	ug/l	99
61) 1,2-Dibromoethane	9.67	107	149087	51.26	ug/l	100
64) Tetrachloroethene	9.34	164	207486	53.09	ug/l	98
65) Chlorobenzene	10.14	112	408715	52.57	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	146073	54.48	ug/l	99
67) Ethyl Benzene	10.26	91	690087	54.59	ug/l	99
68) m/p-Xylenes	10.36	106	546661	112.26	ug/l	98
69) o-Xylene	10.70	106	263257	56.23	ug/l	100
70) Styrene	10.71	104	443725	57.21	ug/l	99
71) Bromoform	10.86	173	120465	54.72	ug/l	99
73) Isopropylbenzene	11.02	105	713593	55.14	ug/l	99
74) N-amyl acetate	10.90	43	277093	50.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	195522	46.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	195570m	49.47	ug/l	
77) Bromobenzene	11.26	156	191045	53.41	ug/l	99
78) n-propylbenzene	11.36	91	829226	55.73	ug/l	99
79) 2-Chlorotoluene	11.42	91	476337	52.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	608519	55.94	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	69524	56.06	ug/l	90
82) 4-Chlorotoluene	11.51	91	561495	53.31	ug/l	98
83) tert-Butylbenzene	11.77	119	576580	55.67	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	627209	56.47	ug/l	99
85) sec-Butylbenzene	11.94	105	750534	56.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	676981	58.09	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	361781	54.21	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	361726	52.46	ug/l	99
89) n-Butylbenzene	12.39	91	609407	57.38	ug/l	98
90) Hexachloroethane	12.60	117	104276	55.89	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	361100	53.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44751	50.21	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	282777	59.12	ug/l	98
94) Hexachlorobutadiene	13.79	225	147594	59.08	ug/l	97
95) Naphthalene	13.83	128	768287	57.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281116	57.21	ug/l	98

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

