

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004315.D
 Acq On : 30 Aug 2018 02:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 1:38:39 PM

Quant Time: Aug 30 07:47:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	195305	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	5.50	113	170818	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	8.71	98	636107	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	240205	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	179094	51.30	ug/l	97
3) Chloromethane	1.32	50	194950	50.53	ug/l	99
4) Vinyl Chloride	1.40	62	206815	52.37	ug/l	99
5) Bromomethane	1.63	94	98959	50.88	ug/l	99
6) Chloroethane	1.71	64	139860	50.25	ug/l	98
7) Trichlorofluoromethane	1.92	101	279955	51.74	ug/l	96
8) Diethyl Ether	2.18	74	126310	54.51	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	170547	50.32	ug/l	100
10) Methyl Iodide	2.51	142	201206	52.39	ug/l	98
11) Tert butyl alcohol	3.08	59	243228	290.48	ug/l	100
12) 1,1-Dichloroethene	2.37	96	164005	51.37	ug/l	98
13) Acrolein	2.29	56	54501	269.98	ug/l	95
14) Allyl chloride	2.72	41	303063	51.66	ug/l	97
15) Acrylonitrile	3.15	53	573106	276.38	ug/l	99
16) Acetone	2.45	43	473978	297.11	ug/l	99
17) Carbon Disulfide	2.56	76	428747	48.38	ug/l	99
18) Methyl Acetate	2.78	43	388788	66.70	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	576668	54.81	ug/l	97
20) Methylene Chloride	2.85	84	194403	51.41	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	176279	49.88	ug/l	97
22) Diisopropyl ether	3.87	45	587312	53.62	ug/l	99
23) Vinyl Acetate	3.82	43	2298613	258.94	ug/l	99
24) 1,1-Dichloroethane	3.69	63	344795	54.02	ug/l	100
25) 2-Butanone	4.71	43	759535	289.01	ug/l	100
26) 2,2-Dichloropropane	4.58	77	146696	29.30	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	208999	52.14	ug/l	95
28) Bromochloromethane	5.02	49	144448	51.12	ug/l	98
29) Tetrahydrofuran	5.17	42	484495	287.08	ug/l	100
30) Chloroform	5.21	83	342152	53.46	ug/l	97
31) Cyclohexane	5.57	56	285302	51.80	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	286261	53.64	ug/l	99
36) 1,1-Dichloropropene	5.79	75	253084	50.60	ug/l	100
37) Ethyl Acetate	4.87	43	269329	54.76	ug/l	100
38) Carbon Tetrachloride	5.78	117	247751	52.66	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	279777	49.00	ug/l	98
40) Benzene	6.14	78	785561	52.57	ug/l	100
41) Methacrylonitrile	5.06	41	158220	55.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	265957	52.17	ug/l	100
43) Isopropyl Acetate	6.46	43	423868	56.08	ug/l	99
44) Trichloroethene	7.21	130	208586	50.42	ug/l	97
45) 1,2-Dichloropropane	7.52	63	203983	54.54	ug/l	99
46) Dibromomethane	7.66	93	130742	52.50	ug/l	99
47) Bromodichloromethane	7.90	83	254506	54.92	ug/l	99
48) Methyl methacrylate	7.78	41	230171	56.91	ug/l	99
49) 1,4-Dioxane	7.76	88	106357	1158.30	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1491922	271.67	ug/l	100
52) Toluene	8.79	92	491048	52.49	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	259500	50.70	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	288611	51.77	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	206167	54.59	ug/l	98
56) Ethyl methacrylate	9.18	69	303240	58.99	ug/l	98
57) 1,3-Dichloropropane	9.37	76	344038	54.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	721174	273.79	ug/l	99
59) 2-Hexanone	9.50	43	1148366	274.10	ug/l	100
60) Dibromochloromethane	9.59	129	206610	56.16	ug/l	99
61) 1,2-Dibromoethane	9.68	107	211603	54.15	ug/l	100
64) Tetrachloroethene	9.34	164	212948	52.34	ug/l	99
65) Chlorobenzene	10.14	112	540475	52.28	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	194187	54.46	ug/l	100
67) Ethyl Benzene	10.26	91	875418	52.15	ug/l	97
68) m/p-Xylenes	10.36	106	706013	107.55	ug/l	99
69) o-Xylene	10.70	106	349974	56.36	ug/l	99
70) Styrene	10.71	104	596768	59.36	ug/l	99
71) Bromoform	10.86	173	161936	56.34	ug/l	99
73) Isopropylbenzene	11.02	105	946569	57.65	ug/l	100
74) N-amyl acetate	10.90	43	376249	59.51	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	319952	55.68	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	278762m	54.83	ug/l	
77) Bromobenzene	11.26	156	254446	55.24	ug/l	99
78) n-propylbenzene	11.36	91	1084683	57.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	642258	55.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	791627	58.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	79142	50.50	ug/l	97
82) 4-Chlorotoluene	11.51	91	746051	54.54	ug/l	99
83) tert-Butylbenzene	11.77	119	780331	57.04	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	803736	57.58	ug/l	98
85) sec-Butylbenzene	11.95	105	925113	56.96	ug/l	100
86) p-Isopropyltoluene	12.07	119	820044	56.34	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	467108	53.86	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	461689	50.49	ug/l	98
89) n-Butylbenzene	12.39	91	662533	55.97	ug/l	96
90) Hexachloroethane	12.60	117	117389	57.70	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	436463	55.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57498	56.81	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	328606	56.98	ug/l	93
94) Hexachlorobutadiene	13.79	225	146856	54.75	ug/l	97
95) Naphthalene	13.83	128	1056004	64.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	344955	56.51	ug/l	100

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

