

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004144.D
 Acq On : 20 Aug 2018 10:16
 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
 8/21/2018 11:30:43 AM

Quant Time: Aug 21 01:20:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	199164	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.50	113	166081	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	8.71	98	617326	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	224873	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	115787	42.54	ug/l	98
3) Chloromethane	1.32	50	166590	49.87	ug/l	98
4) Vinyl Chloride	1.41	62	153237	42.40	ug/l	99
5) Bromomethane	1.64	94	79264	43.25	ug/l	99
6) Chloroethane	1.72	64	111873	46.95	ug/l	98
7) Trichlorofluoromethane	1.93	101	214259	42.26	ug/l	99
8) Diethyl Ether	2.18	74	105006	47.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134085	42.39	ug/l	99
10) Methyl Iodide	2.51	142	122235	37.57	ug/l	100
11) Tert butyl alcohol	3.04	59	155585	196.11	ug/l	99
12) 1,1-Dichloroethene	2.37	96	126820	43.11	ug/l	99
13) Acrolein	2.29	56	139245	258.31	ug/l	98
14) Allyl chloride	2.73	41	253142	45.23	ug/l	96
15) Acrylonitrile	3.14	53	445122	225.02	ug/l	100
16) Acetone	2.43	43	629793	307.46	ug/l	98
17) Carbon Disulfide	2.57	76	337814	40.49	ug/l	99
18) Methyl Acetate	2.77	43	222498	48.88	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	490745	47.35	ug/l	100
20) Methylene Chloride	2.85	84	164971	49.27	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	147040	44.01	ug/l	99
22) Diisopropyl ether	3.86	45	546142	49.79	ug/l	95
23) Vinyl Acetate	3.82	43	2326857	258.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	283921	45.70	ug/l	99
25) 2-Butanone	4.69	43	816860	245.09	ug/l	100
26) 2,2-Dichloropropane	4.58	77	228652	46.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	173056	46.07	ug/l	98
28) Bromochloromethane	5.01	49	140622	49.34	ug/l	96
29) Tetrahydrofuran	5.15	42	363987	213.76	ug/l	98
30) Chloroform	5.21	83	282191	46.54	ug/l	98
31) Cyclohexane	5.57	56	216507	39.75	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	235091	46.40	ug/l	99
36) 1,1-Dichloropropene	5.80	75	206813	44.75	ug/l	99
37) Ethyl Acetate	4.85	43	227651	45.24	ug/l	100
38) Carbon Tetrachloride	5.78	117	202581	45.12	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217344	41.46	ug/l	99
40) Benzene	6.14	78	659223	47.51	ug/l	99
41) Methacrylonitrile	5.06	41	128278	45.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	235101	48.40	ug/l	100
43) Isopropyl Acetate	6.46	43	344661	46.46	ug/l	99
44) Trichloroethene	7.21	130	170297	45.20	ug/l	92
45) 1,2-Dichloropropane	7.52	63	173187	48.75	ug/l	100
46) Dibromomethane	7.66	93	114395	49.28	ug/l	99
47) Bromodichloromethane	7.90	83	220069	50.05	ug/l	99
48) Methyl methacrylate	7.77	41	185932	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	66979	796.69	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1492085	245.31	ug/l	99
52) Toluene	8.79	92	426036	48.54	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	246814	51.96	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	273241	51.94	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	178193	49.17	ug/l	100
56) Ethyl methacrylate	9.18	69	248783	50.48	ug/l	97
57) 1,3-Dichloropropane	9.37	76	300078	49.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	780899	311.17	ug/l	100
59) 2-Hexanone	9.50	43	1196684	261.42	ug/l	99
60) Dibromochloromethane	9.59	129	178219	51.10	ug/l	100
61) 1,2-Dibromoethane	9.67	107	183683	49.72	ug/l	100
64) Tetrachloroethene	9.34	164	156431	40.90	ug/l	95
65) Chlorobenzene	10.14	112	477511	45.81	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	172072	48.40	ug/l	99
67) Ethyl Benzene	10.25	91	768032	46.53	ug/l	99
68) m/p-Xylenes	10.36	106	610950	94.51	ug/l	97
69) o-Xylene	10.70	106	292204	47.30	ug/l	98
70) Styrene	10.71	104	492251	47.35	ug/l	99
71) Bromoform	10.86	173	130448	46.27	ug/l #	99
73) Isopropylbenzene	11.02	105	747314	43.73	ug/l	98
74) N-amyl acetate	6.46	43	344661	42.88	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	255016	42.74	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	237548m	46.91	ug/l	
77) Bromobenzene	11.26	156	202227	42.93	ug/l	97
78) n-propylbenzene	11.36	91	845739	44.23	ug/l	98
79) 2-Chlorotoluene	11.42	91	527337	45.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	629137	44.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	77672	47.48	ug/l	96
82) 4-Chlorotoluene	11.51	91	609241	44.23	ug/l	99
83) tert-Butylbenzene	11.77	119	650454	46.11	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	672813	46.43	ug/l	98
85) sec-Butylbenzene	11.95	105	742000	44.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	692672	46.34	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	403389	44.90	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	413969	44.77	ug/l	98
89) n-Butylbenzene	12.39	91	570070	48.40	ug/l	98
90) Hexachloroethane	12.60	117	106932	47.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	412661	50.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47636	45.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	243894	44.04	ug/l	100
94) Hexachlorobutadiene	13.79	225	100108	36.06	ug/l	100
95) Naphthalene	13.83	128	786143	44.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	271219	44.91	ug/l	99

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

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