

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090418\
 Data File : VX004339.D
 Acq On : 04 Sep 2018 11:24
 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
 9/5/2018 4:52:21 PM

Quant Time: Sep 05 06:57:29 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	5.66	168	325223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	448760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	194397	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	5.49	113	170548	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	8.71	98	637561	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.14	95	244785	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	178299	47.33	ug/l	97
3) Chloromethane	1.32	50	193101	46.40	ug/l	99
4) Vinyl Chloride	1.40	62	200177	46.98	ug/l	99
5) Bromomethane	1.63	94	90975	43.03	ug/l	99
6) Chloroethane	1.71	64	136523	44.93	ug/l	97
7) Trichlorofluoromethane	1.92	101	278541	47.70	ug/l	98
8) Diethyl Ether	2.18	74	121790	48.71	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	179096	48.97	ug/l	100
10) Methyl Iodide	2.51	142	186375	45.57	ug/l	98
11) Tert butyl alcohol	3.07	59	196701	217.69	ug/l	99
12) 1,1-Dichloroethene	2.37	96	159799	46.38	ug/l	98
13) Acrolein	2.29	56	52373	240.42	ug/l	97
14) Allyl chloride	2.72	41	313062	49.46	ug/l	98
15) Acrylonitrile	3.15	53	523202	233.81	ug/l	99
16) Acetone	2.44	43	439259	253.98	ug/l	99
17) Carbon Disulfide	2.56	76	417158	43.70	ug/l	99
18) Methyl Acetate	2.78	43	370817	58.95	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	559870	49.31	ug/l	98
20) Methylene Chloride	2.85	84	191425	46.91	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	174635	45.79	ug/l	97
22) Diisopropyl ether	3.87	45	590422	49.96	ug/l	99
23) Vinyl Acetate	3.82	43	2290777	239.14	ug/l	100
24) 1,1-Dichloroethane	3.69	63	339408	49.28	ug/l	99
25) 2-Butanone	4.70	43	690430	243.00	ug/l	98
26) 2,2-Dichloropropane	4.58	77	272904	50.52	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	207116	47.88	ug/l	99
28) Bromochloromethane	5.01	49	153084	50.20	ug/l	99
29) Tetrahydrofuran	5.15	42	431605	236.99	ug/l	100
30) Chloroform	5.21	83	337244	48.83	ug/l	100
31) Cyclohexane	5.57	56	286414	48.19	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	281464	48.88	ug/l	99
36) 1,1-Dichloropropene	5.79	75	253419	50.23	ug/l	99
37) Ethyl Acetate	4.85	43	245391	49.46	ug/l	100
38) Carbon Tetrachloride	5.78	117	246337	51.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	306635	53.23	ug/l	99
40) Benzene	6.14	78	771049	51.15	ug/l	99
41) Methacrylonitrile	5.06	41	149435	51.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	255937	49.77	ug/l	99
43) Isopropyl Acetate	6.46	43	392184	51.44	ug/l	99
44) Trichloroethene	7.21	130	209534	50.21	ug/l	97
45) 1,2-Dichloropropane	7.51	63	200572	53.16	ug/l	100
46) Dibromomethane	7.66	93	126226	50.25	ug/l	99
47) Bromodichloromethane	7.90	83	252334	53.98	ug/l	99
48) Methyl methacrylate	7.77	41	214589	52.60	ug/l	99
49) 1,4-Dioxane	7.76	88	88122	951.39	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1358673	245.27	ug/l	99
52) Toluene	8.78	92	492019	52.14	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	283542	54.92	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	313442	55.73	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	202021	53.03	ug/l	98
56) Ethyl methacrylate	9.18	69	286218	55.19	ug/l	99
57) 1,3-Dichloropropane	9.37	76	337395	52.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	813973	306.34	ug/l	100
59) 2-Hexanone	9.49	43	1042911	246.77	ug/l	100
60) Dibromochloromethane	9.59	129	203661	54.88	ug/l	100
61) 1,2-Dibromoethane	9.67	107	204459	51.87	ug/l	99
64) Tetrachloroethene	9.34	164	218473	54.14	ug/l	98
65) Chlorobenzene	10.14	112	515666	50.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	185990	52.60	ug/l	97
67) Ethyl Benzene	10.25	91	865537	51.99	ug/l	98
68) m/p-Xylenes	10.36	106	716352	110.04	ug/l	98
69) o-Xylene	10.70	106	337434	54.80	ug/l	98
70) Styrene	10.71	104	561434	56.31	ug/l	98
71) Bromoform	10.86	173	154508	54.21	ug/l	98
73) Isopropylbenzene	11.02	105	959238	54.38	ug/l	99
74) N-amyl acetate	10.90	43	344486	50.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	300878	48.74	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	283614m	51.92	ug/l	
77) Bromobenzene	11.26	156	252342	50.99	ug/l	98
78) n-propylbenzene	11.36	91	1125989	55.50	ug/l	99
79) 2-Chlorotoluene	11.42	91	653163	52.30	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	786519	53.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	90334	53.65	ug/l	96
82) 4-Chlorotoluene	11.51	91	758725	51.63	ug/l	99
83) tert-Butylbenzene	11.77	119	797773	54.28	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	838686	55.93	ug/l	100
85) sec-Butylbenzene	11.94	105	1004270	57.55	ug/l	99
86) p-Isopropyltoluene	12.07	119	900279	57.57	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	474717	50.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	493771	50.26	ug/l	100
89) n-Butylbenzene	12.39	91	787408	61.92	ug/l	98
90) Hexachloroethane	12.60	117	129592	59.29	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	464819	54.59	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55227	50.79	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	338357	54.61	ug/l	98
94) Hexachlorobutadiene	13.79	225	179915	62.46	ug/l	94
95) Naphthalene	13.83	128	1001529	57.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	367794	56.08	ug/l	98

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

