

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003963.D
 Acq On : 09 Aug 2018 20:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:56:44 AM

Quant Time: Aug 10 03:10:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	492698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270890	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	212009	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.50	113	179623	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.72	98	690128	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.14	95	257265	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	157622	46.83	ug/l	99
3) Chloromethane	1.32	50	178960	39.08	ug/l	98
4) Vinyl Chloride	1.40	62	206725	45.27	ug/l	98
5) Bromomethane	1.64	94	93740	38.19	ug/l	99
6) Chloroethane	1.72	64	146958	50.30	ug/l	98
7) Trichlorofluoromethane	1.92	101	284811	47.24	ug/l	100
8) Diethyl Ether	2.19	74	128299	47.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	175128	46.47	ug/l	100
10) Methyl Iodide	2.51	142	134158	28.62	ug/l	99
11) Tert butyl alcohol	3.08	59	240962	227.77	ug/l	100
12) 1,1-Dichloroethene	2.37	96	168643	47.31	ug/l	99
13) Acrolein	2.29	56	100547	183.09	ug/l	100
14) Allyl chloride	2.72	41	314486	45.77	ug/l	99
15) Acrylonitrile	3.15	53	594338	235.44	ug/l	100
16) Acetone	2.45	43	586758	224.03	ug/l	100
17) Carbon Disulfide	2.57	76	471390	46.69	ug/l	100
18) Methyl Acetate	2.78	43	284966	49.97	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	615869	48.76	ug/l	100
20) Methylene Chloride	2.86	84	198772	48.09	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	185638	45.87	ug/l	99
22) Diisopropyl ether	3.87	45	610197	48.31	ug/l	99
23) Vinyl Acetate	3.82	43	2561624	243.74	ug/l	99
24) 1,1-Dichloroethane	3.70	63	357854	47.69	ug/l	100
25) 2-Butanone	4.71	43	952666	241.92	ug/l	99
26) 2,2-Dichloropropane	4.58	77	195180	36.07	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	216358	49.27	ug/l	95
28) Bromochloromethane	5.02	49	157813	49.15	ug/l	99
29) Tetrahydrofuran	5.17	42	488623	241.41	ug/l	100
30) Chloroform	5.21	83	346042	48.99	ug/l	99
31) Cyclohexane	5.57	56	301323	47.49	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	294716	49.75	ug/l	100
36) 1,1-Dichloropropene	5.80	75	260476	47.20	ug/l	99
37) Ethyl Acetate	4.87	43	290161	47.80	ug/l	100
38) Carbon Tetrachloride	5.78	117	258176	49.16	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	305315	46.93	ug/l	98
40) Benzene	6.14	78	802090	48.41	ug/l	99
41) Methacrylonitrile	5.06	41	163809	49.00	ug/l	100
42) 1,2-Dichloroethane	6.20	62	274156	48.93	ug/l	100
43) Isopropyl Acetate	6.47	43	449499	49.21	ug/l	100
44) Trichloroethene	7.21	130	214423	47.32	ug/l	93
45) 1,2-Dichloropropane	7.52	63	205355	47.99	ug/l	100
46) Dibromomethane	7.67	93	134828	48.53	ug/l	100
47) Bromodichloromethane	7.90	83	261353	49.94	ug/l	100
48) Methyl methacrylate	7.78	41	232399	50.05	ug/l	98
49) 1,4-Dioxane	7.76	88	103288	944.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1896922	250.53	ug/l	99
52) Toluene	8.79	92	513351	49.03	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	281703	47.62	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	307274	48.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	209506	48.97	ug/l	99
56) Ethyl methacrylate	9.18	69	322280	51.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	352527	49.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792492	259.63	ug/l	100
59) 2-Hexanone	9.50	43	1450435	256.27	ug/l	100
60) Dibromochloromethane	9.59	129	214066	53.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	219196	51.17	ug/l	100
64) Tetrachloroethene	9.34	164	206268	45.52	ug/l	95
65) Chlorobenzene	10.14	112	571073	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	204937	49.73	ug/l	99
67) Ethyl Benzene	10.26	91	968134	49.34	ug/l	99
68) m/p-Xylenes	10.36	106	772092	100.70	ug/l	97
69) o-Xylene	10.70	106	371275	51.30	ug/l	97
70) Styrene	10.71	104	628078	53.00	ug/l	97
71) Bromoform	10.86	173	169027	48.47	ug/l	98
73) Isopropylbenzene	11.02	105	991943	49.50	ug/l	97
74) N-amyl acetate	6.47	43	449499	43.13	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	329915	48.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	288086m	48.15	ug/l	
77) Bromobenzene	11.26	156	262681	49.14	ug/l	99
78) n-propylbenzene	11.36	91	1134095	50.40	ug/l	100
79) 2-Chlorotoluene	11.42	91	668860	48.75	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	813067	49.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83363	38.44	ug/l	97
82) 4-Chlorotoluene	11.51	91	785741	48.88	ug/l	100
83) tert-Butylbenzene	11.77	119	822757	51.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	850157	51.74	ug/l	99
85) sec-Butylbenzene	11.95	105	973949	51.34	ug/l	99
86) p-Isopropyltoluene	12.07	119	862942	50.69	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	483278	48.90	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	465153	49.08	ug/l	98
89) n-Butylbenzene	12.39	91	651901	43.95	ug/l	99
90) Hexachloroethane	12.60	117	127250	46.04	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	445972	45.53	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	62422	44.37	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	338767	48.09	ug/l	98
94) Hexachlorobutadiene	13.79	225	151526	48.76	ug/l	99
95) Naphthalene	13.83	128	1118687	55.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	362648	51.58	ug/l	100

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

