

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004237.D
 Acq On : 23 Aug 2018 19:53
 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
 8/24/2018 11:36:16 AM

Quant Time: Aug 24 07:57:23 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	345225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	511577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218940	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.50	113	188742	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	8.71	98	709695	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	270320	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	206150	51.56	ug/l	95
3) Chloromethane	1.32	50	210526	47.65	ug/l	100
4) Vinyl Chloride	1.40	62	221036	48.87	ug/l	100
5) Bromomethane	1.64	94	108007	48.38	ug/l	98
6) Chloroethane	1.72	64	143863	44.57	ug/l	98
7) Trichlorofluoromethane	1.92	101	306897	49.51	ug/l	97
8) Diethyl Ether	2.18	74	131948	49.71	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	186897	48.14	ug/l	100
10) Methyl Iodide	2.51	142	199238	45.86	ug/l	98
11) Tert butyl alcohol	3.07	59	211113	220.11	ug/l	100
12) 1,1-Dichloroethene	2.37	96	177487	48.53	ug/l	99
13) Acrolein	2.29	56	51610	223.19	ug/l	98
14) Allyl chloride	2.72	41	316149	47.05	ug/l	99
15) Acrylonitrile	3.15	53	550777	231.87	ug/l	99
16) Acetone	2.45	43	431417	234.37	ug/l	98
17) Carbon Disulfide	2.57	76	482035	47.50	ug/l	98
18) Methyl Acetate	2.78	43	328474	49.19	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	605952	50.28	ug/l	98
20) Methylene Chloride	2.86	84	199176	45.98	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	191499	47.31	ug/l	95
22) Diisopropyl ether	3.87	45	597680	47.64	ug/l	98
23) Vinyl Acetate	3.82	43	2422636	238.25	ug/l	99
24) 1,1-Dichloroethane	3.69	63	339259	46.40	ug/l	99
25) 2-Butanone	4.70	43	700602	232.17	ug/l	99
26) 2,2-Dichloropropane	4.58	77	232120	40.48	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	218834	47.66	ug/l	97
28) Bromochloromethane	5.01	49	158495	48.96	ug/l	97
29) Tetrahydrofuran	5.16	42	450309	232.93	ug/l	98
30) Chloroform	5.21	83	349735	47.71	ug/l	96
31) Cyclohexane	5.57	56	313487	49.69	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	300712	49.19	ug/l	99
36) 1,1-Dichloropropene	5.79	75	267198	46.46	ug/l	98
37) Ethyl Acetate	4.86	43	261424	46.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	259695	48.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	321721	49.00	ug/l	97
40) Benzene	6.14	78	818947	47.65	ug/l	100
41) Methacrylonitrile	5.06	41	154957	47.26	ug/l	99
42) 1,2-Dichloroethane	6.20	62	275212	46.95	ug/l	100
43) Isopropyl Acetate	6.46	43	428094	49.25	ug/l	99
44) Trichloroethene	7.21	130	223968	47.08	ug/l	99
45) 1,2-Dichloropropane	7.52	63	206783	48.08	ug/l	99
46) Dibromomethane	7.67	93	135465	47.30	ug/l	99
47) Bromodichloromethane	7.90	83	258483	48.51	ug/l	99
48) Methyl methacrylate	7.78	41	226644	48.73	ug/l	98
49) 1,4-Dioxane	7.76	88	89139	844.20	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1422657	225.28	ug/l	99
52) Toluene	8.79	92	525604	48.86	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	288442	49.01	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	315939	49.28	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	208682	48.06	ug/l	99
56) Ethyl methacrylate	9.18	69	312241	52.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	351104	47.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792197	261.54	ug/l	100
59) 2-Hexanone	9.50	43	1082166	224.62	ug/l	99
60) Dibromochloromethane	9.59	129	211416	49.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	219605	48.87	ug/l	99
64) Tetrachloroethene	9.34	164	212299	47.01	ug/l	99
65) Chlorobenzene	10.14	112	557434	48.59	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	190924	48.25	ug/l	96
67) Ethyl Benzene	10.25	91	968594	51.98	ug/l	94
68) m/p-Xylenes	10.36	106	722965	99.23	ug/l	99
69) o-Xylene	10.70	106	363813	52.79	ug/l	98
70) Styrene	10.71	104	579899	51.97	ug/l	99
71) Bromoform	10.86	173	162030	50.80	ug/l	99
73) Isopropylbenzene	11.02	105	1011905	54.38	ug/l	99
74) N-amyl acetate	10.90	43	384947	53.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	322141	49.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	287246m	49.85	ug/l	
77) Bromobenzene	11.26	156	269654	51.66	ug/l	100
78) n-propylbenzene	11.36	91	1160070	54.20	ug/l	100
79) 2-Chlorotoluene	11.42	91	680312	51.64	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	841440	54.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	90702	51.07	ug/l	97
82) 4-Chlorotoluene	11.51	91	801008	51.67	ug/l	99
83) tert-Butylbenzene	11.77	119	839493	54.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	871022	55.06	ug/l	100
85) sec-Butylbenzene	11.94	105	998196	54.22	ug/l	99
86) p-Isopropyltoluene	12.07	119	900440	54.58	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	485380	49.39	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	497780	48.04	ug/l	100
89) n-Butylbenzene	12.39	91	674325	50.27	ug/l	99
90) Hexachloroethane	12.60	117	121361	52.63	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	452230	50.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58288	50.82	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	343209	52.51	ug/l	97
94) Hexachlorobutadiene	13.79	225	151884	49.95	ug/l	96
95) Naphthalene	13.83	128	1054411	57.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	361094	52.19	ug/l	99

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

