

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006486.D
 Acq On : 13 Dec 2018 10:41
 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
 12/14/2018 9:34:54 AM

Quant Time: Dec 14 00:25:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	540306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	827704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	773592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	407711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	289070	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
35) Dibromofluoromethane	5.50	113	268339	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	8.71	98	986244	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	387899	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	279448	52.822	ug/l	99
3) Chloromethane	1.33	50	283222	52.096	ug/l	99
4) Vinyl Chloride	1.41	62	309020	52.814	ug/l	95
5) Bromomethane	1.64	94	292008	72.011	ug/l	98
6) Chloroethane	1.72	64	193048	53.811	ug/l	99
7) Trichlorofluoromethane	1.93	101	480069	53.450	ug/l	98
8) Diethyl Ether	2.19	74	181023	53.254	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	293008	57.373	ug/l	99
10) Methyl Iodide	2.51	142	456276	59.283	ug/l	99
11) Tert butyl alcohol	3.07	59	343578	227.775	ug/l	100
12) 1,1-Dichloroethene	2.37	96	265205	54.245	ug/l	93
13) Acrolein	2.29	56	223416	270.991	ug/l	98
14) Allyl chloride	2.73	41	447260	46.311	ug/l	98
15) Acrylonitrile	3.15	53	766373	243.472	ug/l	99
16) Acetone	2.45	43	729738	281.920	ug/l	96
17) Carbon Disulfide	2.57	76	708029	46.998	ug/l	99
18) Methyl Acetate	2.78	43	414508	47.885	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	894687	51.298	ug/l	98
20) Methylene Chloride	2.86	84	295628	53.664	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	284329	54.573	ug/l	94
22) Diisopropyl ether	3.87	45	815358	54.051	ug/l	95
23) Vinyl Acetate	3.82	43	3521549	273.704	ug/l	98
24) 1,1-Dichloroethane	3.70	63	494772	57.383	ug/l	98
25) 2-Butanone	4.70	43	988322	267.594	ug/l	99
26) 2,2-Dichloropropane	4.59	77	410693	51.612	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	325304	55.976	ug/l	98
28) Bromochloromethane	5.02	49	198264	52.644	ug/l	100
29) Tetrahydrofuran	5.15	42	645301	251.395	ug/l	98
30) Chloroform	5.21	83	509027	56.179	ug/l	99
31) Cyclohexane	5.57	56	445069	55.855	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	451804	52.407	ug/l	99
36) 1,1-Dichloropropene	5.80	75	379267	54.413	ug/l	100
37) Ethyl Acetate	4.85	43	380313	48.723	ug/l	99
38) Carbon Tetrachloride	5.78	117	403337	49.189	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	522606	57.763	ug/l	96
40) Benzene	6.14	78	1146643	54.926	ug/l	98
41) Methacrylonitrile	5.06	41	208901	48.637	ug/l	98
42) 1,2-Dichloroethane	6.20	62	377863	55.305	ug/l	100
43) Isopropyl Acetate	6.46	43	613204	47.118	ug/l	99
44) Trichloroethene	7.21	130	345681	54.659	ug/l	98
45) 1,2-Dichloropropane	7.51	63	271412	51.155	ug/l	98
46) Dibromomethane	7.66	93	205562	53.645	ug/l	96
47) Bromodichloromethane	7.90	83	364897	49.174	ug/l	98
48) Methyl methacrylate	7.77	41	314691	49.704	ug/l	97
49) 1,4-Dioxane	7.75	88	159239	1020.479	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1922623	253.773	ug/l	98
52) Toluene	8.79	92	765973	55.771	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	420278	48.428	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	458939	50.928	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	308570	55.303	ug/l	98
56) Ethyl methacrylate	9.18	69	468014	53.654	ug/l	96
57) 1,3-Dichloropropane	9.37	76	491234	55.676	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1068826	241.467	ug/l	99
59) 2-Hexanone	9.49	43	1482201	256.073	ug/l	99
60) Dibromochloromethane	9.59	129	332039	48.260	ug/l	98
61) 1,2-Dibromoethane	9.67	107	337489	54.094	ug/l	99
64) Tetrachloroethene	9.34	164	316126	54.263	ug/l	97
65) Chlorobenzene	10.14	112	906418	55.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	315889	49.509	ug/l	99
67) Ethyl Benzene	10.25	91	1490640	54.577	ug/l	99
68) m/p-Xylenes	10.36	106	1204869	110.128	ug/l	99
69) o-Xylene	10.70	106	585257	54.157	ug/l	100
70) Styrene	10.71	104	948312	54.256	ug/l	99
71) Bromoform	10.86	173	251630	41.778	ug/l #	100
73) Isopropylbenzene	11.02	105	1545572	54.893	ug/l	100
74) N-amyl acetate	10.90	43	573897	47.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	460273	51.098	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	432740m	54.990	ug/l	
77) Bromobenzene	11.26	156	418120	53.511	ug/l	98
78) n-propylbenzene	11.36	91	1740714	55.617	ug/l	99
79) 2-Chlorotoluene	11.42	91	1024727	55.086	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1303358	55.636	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	140276	41.831	ug/l	91
82) 4-Chlorotoluene	11.51	91	1191306	55.081	ug/l	100
83) tert-Butylbenzene	11.77	119	1357063	54.293	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1334624	55.172	ug/l	100
85) sec-Butylbenzene	11.94	105	1606809	56.507	ug/l	100
86) p-Isopropyltoluene	12.06	119	1451075	56.671	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	771596	55.496	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	766169	54.293	ug/l	100
89) n-Butylbenzene	12.39	91	1252574	57.332	ug/l	100
90) Hexachloroethane	12.60	117	237796	45.567	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	741310	53.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	97451	42.204	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	538236	53.465	ug/l	99
94) Hexachlorobutadiene	13.78	225	253197	56.872	ug/l	100
95) Naphthalene	13.83	128	1637107	52.279	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	533210	53.475	ug/l	98

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

