

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005227.D
 Acq On : 11 Oct 2018 00:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 11:45:02 AM

Quant Time: Oct 11 07:55:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	119457	36.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.16%	
35) Dibromofluoromethane	5.50	113	98965	35.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.12%	
50) Toluene-d8	8.72	98	360958	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	
62) 4-Bromofluorobenzene	11.14	95	138533	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	162827	52.24	ug/l	98
3) Chloromethane	1.32	50	181504	48.00	ug/l	99
4) Vinyl Chloride	1.40	62	176120	49.66	ug/l	99
5) Bromomethane	1.64	94	105358	50.09	ug/l	94
6) Chloroethane	1.71	64	102146	52.98	ug/l	98
7) Trichlorofluoromethane	1.92	101	229916	52.36	ug/l	95
8) Diethyl Ether	2.19	74	89125	46.72	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	124248	49.68	ug/l	99
10) Methyl Iodide	2.51	142	155109	46.34	ug/l	91
11) Tert butyl alcohol	3.09	59	238462	261.16	ug/l	98
12) 1,1-Dichloroethene	2.37	96	121470	49.04	ug/l	95
13) Acrolein	2.29	56	110711	170.41	ug/l	91
14) Allyl chloride	2.72	41	264331	48.91	ug/l	95
15) Acrylonitrile	3.15	53	508429	252.94	ug/l	97
16) Acetone	2.45	43	455927	239.14	ug/l	93
17) Carbon Disulfide	2.56	76	356493	47.90	ug/l	99
18) Methyl Acetate	2.78	43	262658	54.38	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	439831	51.48	ug/l	96
20) Methylene Chloride	2.85	84	138137	49.83	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	129404	47.72	ug/l	84
22) Diisopropyl ether	3.87	45	435560	47.86	ug/l	98
23) Vinyl Acetate	3.82	43	1957865	235.02	ug/l	99
24) 1,1-Dichloroethane	3.69	63	260142	47.92	ug/l	99
25) 2-Butanone	4.71	43	661151	235.26	ug/l	97
26) 2,2-Dichloropropane	4.58	77	137109	36.27	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	135326	44.68	ug/l	96
28) Bromochloromethane	5.02	49	91217	35.68	ug/l	96
29) Tetrahydrofuran	5.16	42	430522	246.48	ug/l	98
30) Chloroform	5.21	83	233120	45.44	ug/l	99
31) Cyclohexane	5.57	56	208909	50.28	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	202772	48.39	ug/l	95
36) 1,1-Dichloropropene	5.80	75	173517	45.06	ug/l	95
37) Ethyl Acetate	4.86	43	236140	46.20	ug/l	98
38) Carbon Tetrachloride	5.78	117	182762	45.15	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199792	50.81	ug/l #	86
40) Benzene	6.14	78	522945	43.38	ug/l	95
41) Methacrylonitrile	5.06	41	128350	45.28	ug/l	97
42) 1,2-Dichloroethane	6.20	62	189614	44.49	ug/l	98
43) Isopropyl Acetate	6.46	43	352211	47.74	ug/l	98
44) Trichloroethene	7.21	130	139890	47.20	ug/l	97
45) 1,2-Dichloropropane	7.52	63	140223	47.43	ug/l	98
46) Dibromomethane	7.66	93	90410	48.66	ug/l	99
47) Bromodichloromethane	7.90	83	176761	50.81	ug/l	99
48) Methyl methacrylate	7.78	41	181454	54.19	ug/l	99
49) 1,4-Dioxane	7.76	88	86319	1037.56	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1234866	265.83	ug/l	99
52) Toluene	8.79	92	327849	49.49	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	190608	48.49	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	206436	50.14	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	136786	47.14	ug/l	97
56) Ethyl methacrylate	9.18	69	215682	46.05	ug/l	97
57) 1,3-Dichloropropane	9.37	76	227263	47.06	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	469086	191.17	ug/l	99
59) 2-Hexanone	9.50	43	994162	256.82	ug/l	95
60) Dibromochloromethane	9.59	129	145647	50.19	ug/l	99
61) 1,2-Dibromoethane	9.67	107	142803	45.95	ug/l	95
64) Tetrachloroethene	9.34	164	143157	46.61	ug/l	96
65) Chlorobenzene	10.14	112	370152	46.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	135962	48.32	ug/l	100
67) Ethyl Benzene	10.26	91	634655	49.95	ug/l	96
68) m/p-Xylenes	10.36	106	493896	99.48	ug/l	95
69) o-Xylene	10.70	106	236899	51.95	ug/l	99
70) Styrene	10.71	104	404824	47.57	ug/l	100
71) Bromoform	10.86	173	122206	50.74	ug/l	97
73) Isopropylbenzene	11.02	105	644017	57.66	ug/l	100
74) N-amyl acetate	10.90	43	310584	50.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	228231	50.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	208282m	52.44	ug/l	
77) Bromobenzene	11.26	156	172497	53.17	ug/l	99
78) n-propylbenzene	11.36	91	740433	57.78	ug/l	99
79) 2-Chlorotoluene	11.42	91	440970	55.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	549817	53.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	60852	42.12	ug/l	99
82) 4-Chlorotoluene	11.51	91	521796	55.50	ug/l	99
83) tert-Butylbenzene	11.77	119	549935	59.81	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	570066	54.02	ug/l	99
85) sec-Butylbenzene	11.94	105	661539	59.06	ug/l	100
86) p-Isopropyltoluene	12.07	119	594808	58.62	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	320746	52.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	324042	51.82	ug/l	99
89) n-Butylbenzene	12.39	91	520380	56.47	ug/l	99
90) Hexachloroethane	12.60	117	96121	56.89	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	324838	51.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56751	56.85	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	248466	55.95	ug/l	100
94) Hexachlorobutadiene	13.79	225	120808	52.46	ug/l	99
95) Naphthalene	13.83	128	787327	53.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	259288	56.52	ug/l	99

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

