

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX006015.D
 Acq On : 15 Nov 2018 10:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:03:41 PM

Quant Time: Nov 15 11:42:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	140124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	202453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100008	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80198	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	5.51	113	63647	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	8.71	98	227736	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.14	95	87544	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	50233	39.76	ug/l	99
3) Chloromethane	1.33	50	74369	44.85	ug/l	98
4) Vinyl Chloride	1.41	62	77013	46.27	ug/l	96
5) Bromomethane	1.64	94	39658	38.93	ug/l	98
6) Chloroethane	1.71	64	46276	46.59	ug/l	96
7) Trichlorofluoromethane	1.93	101	96685	43.76	ug/l	94
8) Diethyl Ether	2.20	74	45085	52.08	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55439	43.63	ug/l	98
10) Methyl Iodide	2.51	142	75287	48.89	ug/l	98
11) Tert butyl alcohol	3.08	59	118415	256.60	ug/l	98
12) 1,1-Dichloroethene	2.37	96	56602	45.70	ug/l	92
13) Acrolein	2.30	56	60982	275.07	ug/l	100
14) Allyl chloride	2.73	41	126812	45.84	ug/l	97
15) Acrylonitrile	3.16	53	242715	253.80	ug/l	98
16) Acetone	2.45	43	210071	242.20	ug/l	98
17) Carbon Disulfide	2.57	76	156926	42.48	ug/l	98
18) Methyl Acetate	2.79	43	131995	56.99	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	217326	51.41	ug/l	97
20) Methylene Chloride	2.86	84	68425	48.03	ug/l	83
21) trans-1,2-Dichloroethene	3.17	96	61855	47.35	ug/l	92
22) Diisopropyl ether	3.87	45	242556	50.06	ug/l	95
23) Vinyl Acetate	3.82	43	996870	239.93	ug/l	100
24) 1,1-Dichloroethane	3.70	63	128167	49.58	ug/l	98
25) 2-Butanone	4.71	43	341450	250.40	ug/l	98
26) 2,2-Dichloropropane	4.59	77	60237	31.76	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	69005	47.84	ug/l	96
28) Bromochloromethane	5.02	49	61033	52.82	ug/l	96
29) Tetrahydrofuran	5.16	42	222747	254.41	ug/l	98
30) Chloroform	5.22	83	119381	47.86	ug/l	95
31) Cyclohexane	5.57	56	100095	44.60	ug/l	# 84
32) 1,1,1-Trichloroethane	5.49	97	97607	46.92	ug/l	99
36) 1,1-Dichloropropene	5.80	75	85406	43.76	ug/l	98
37) Ethyl Acetate	4.86	43	123869	48.26	ug/l	99
38) Carbon Tetrachloride	5.78	117	81913	41.92	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88537	44.76	ug/l	99
40) Benzene	6.15	78	260221	45.74	ug/l	98
41) Methacrylonitrile	5.07	41	66994	48.31	ug/l	97
42) 1,2-Dichloroethane	6.20	62	93782	46.02	ug/l	99
43) Isopropyl Acetate	6.46	43	183981	49.47	ug/l	97
44) Trichloroethene	7.21	130	65257	45.16	ug/l	98
45) 1,2-Dichloropropane	7.52	63	69771	50.52	ug/l	91
46) Dibromomethane	7.66	93	41997	48.46	ug/l	99
47) Bromodichloromethane	7.90	83	79614	48.61	ug/l	98
48) Methyl methacrylate	7.78	41	88004	52.70	ug/l	98
49) 1,4-Dioxane	7.76	88	39392	1094.73	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	599580	255.81	ug/l	99
52) Toluene	8.79	92	151812	47.74	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86271	44.64	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	94219	47.83	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	63915	45.10	ug/l	98
56) Ethyl methacrylate	9.18	69	105051	49.54	ug/l	98
57) 1,3-Dichloropropane	9.37	76	115842	48.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	289320	250.38	ug/l	99
59) 2-Hexanone	9.50	43	479248	231.97	ug/l	98
60) Dibromochloromethane	9.59	129	64614	42.19	ug/l	100
61) 1,2-Dibromoethane	9.67	107	67020	42.77	ug/l	99
64) Tetrachloroethene	9.34	164	67698	43.55	ug/l	99
65) Chlorobenzene	10.14	112	171112	46.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	62388	49.06	ug/l	100
67) Ethyl Benzene	10.25	91	297425	50.71	ug/l	100
68) m/p-Xylenes	10.36	106	226447	101.22	ug/l	99
69) o-Xylene	10.70	106	111552	55.60	ug/l	99
70) Styrene	10.71	104	187108	56.54	ug/l	99
71) Bromoform	10.86	173	53793	50.46	ug/l	# 100
73) Isopropylbenzene	11.02	105	300676	51.99	ug/l	99
74) N-amyl acetate	10.90	43	159056	49.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	105445	49.67	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	101261m	49.73	ug/l	
77) Bromobenzene	11.26	156	79337	48.67	ug/l	99
78) n-propylbenzene	11.36	91	344251	50.51	ug/l	99
79) 2-Chlorotoluene	11.42	91	206187	50.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	255356	51.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29205	45.71	ug/l	93
82) 4-Chlorotoluene	11.51	91	242761	50.00	ug/l	100
83) tert-Butylbenzene	11.77	119	251085	50.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	263288	48.54	ug/l	100
85) sec-Butylbenzene	11.94	105	302724	49.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	270136	50.16	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	145769	46.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	146808	45.84	ug/l	99
89) n-Butylbenzene	12.39	91	236382	47.36	ug/l	99
90) Hexachloroethane	12.60	117	42719	47.51	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	147248	46.98	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27066	52.25	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110655	50.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	48918	42.21	ug/l	98
95) Naphthalene	13.83	128	364102	50.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	113346	50.43	ug/l	99

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

