

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101018\
 Data File : VX005253.D
 Acq On : 11 Oct 2018 13:54
 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
 10/12/2018 11:45:06 AM

Quant Time: Oct 11 14:43:34 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	222832	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	320846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173962	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	124897	39.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.48%	
35) Dibromofluoromethane	5.50	113	105889	38.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.88%	
50) Toluene-d8	8.72	98	374857	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	
62) 4-Bromofluorobenzene	11.14	95	144665	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	157448	51.82	ug/l	98
3) Chloromethane	1.32	50	169911	46.09	ug/l	100
4) Vinyl Chloride	1.40	62	172826	49.99	ug/l	99
5) Bromomethane	1.64	94	72218	35.23	ug/l	95
6) Chloroethane	1.71	64	100398	53.45	ug/l	95
7) Trichlorofluoromethane	1.92	101	229901	53.71	ug/l	95
8) Diethyl Ether	2.19	74	89471	48.12	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123827	50.79	ug/l	99
10) Methyl Iodide	2.51	142	107836	33.05	ug/l	91
11) Tert butyl alcohol	3.09	59	212772	239.06	ug/l	100
12) 1,1-Dichloroethene	2.37	96	119029	49.30	ug/l	95
13) Acrolein	2.29	56	102126	161.27	ug/l	91
14) Allyl chloride	2.72	41	266555	50.60	ug/l	95
15) Acrylonitrile	3.15	53	493026	251.63	ug/l	96
16) Acetone	2.45	43	433074	233.04	ug/l	94
17) Carbon Disulfide	2.56	76	339403	46.78	ug/l	98
18) Methyl Acetate	2.78	43	261612	55.56	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	442193	53.10	ug/l	96
20) Methylene Chloride	2.85	84	139316	51.59	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	128047	48.45	ug/l	86
22) Diisopropyl ether	3.87	45	454679	51.25	ug/l	99
23) Vinyl Acetate	3.82	43	2162266	266.28	ug/l	97
24) 1,1-Dichloroethane	3.70	63	259454	49.03	ug/l	100
25) 2-Butanone	4.71	43	645240	235.55	ug/l	97
26) 2,2-Dichloropropane	4.58	77	171951	46.66	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	144003	48.77	ug/l	95
28) Bromochloromethane	5.02	49	91505	36.72	ug/l	96
29) Tetrahydrofuran	5.17	42	438950	257.81	ug/l	96
30) Chloroform	5.22	83	237647	47.52	ug/l	99
31) Cyclohexane	5.57	56	206848	51.07	ug/l	# 83
32) 1,1,1-Trichloroethane	5.50	97	207232	50.74	ug/l	97
36) 1,1-Dichloropropene	5.80	75	176340	47.53	ug/l	93
37) Ethyl Acetate	4.87	43	227734	46.24	ug/l	98
38) Carbon Tetrachloride	5.78	117	183002	46.92	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196947	51.99	ug/l	86
40) Benzene	6.14	78	518703	44.66	ug/l	95
41) Methacrylonitrile	5.06	41	132269	48.43	ug/l	98
42) 1,2-Dichloroethane	6.20	62	188328	45.87	ug/l	98
43) Isopropyl Acetate	6.47	43	336125	47.29	ug/l	96
44) Trichloroethene	7.21	130	138658	48.56	ug/l	94
45) 1,2-Dichloropropane	7.52	63	138172	48.51	ug/l	98
46) Dibromomethane	7.66	93	90802	50.73	ug/l	99
47) Bromodichloromethane	7.90	83	177789	53.05	ug/l	99
48) Methyl methacrylate	7.78	41	180297	55.88	ug/l	100
49) 1,4-Dioxane	7.76	88	72723	907.31	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1212803	270.98	ug/l	99
52) Toluene	8.79	92	329236	51.59	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	198358	52.37	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	213345	53.78	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	138097	49.40	ug/l	96
56) Ethyl methacrylate	9.18	69	216905	47.94	ug/l	97
57) 1,3-Dichloropropane	9.37	76	230125	49.46	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	471293	198.75	ug/l	98
59) 2-Hexanone	9.50	43	960751	257.60	ug/l	95
60) Dibromochloromethane	9.59	129	147394	52.72	ug/l	97
61) 1,2-Dibromoethane	9.68	107	143433	47.91	ug/l	96
64) Tetrachloroethene	9.34	164	136575	45.41	ug/l	95
65) Chlorobenzene	10.14	112	372151	47.50	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	138374	50.23	ug/l	99
67) Ethyl Benzene	10.26	91	635100	51.05	ug/l	96
68) m/p-Xylenes	10.36	106	496082	102.05	ug/l	96
69) o-Xylene	10.70	106	237753	53.25	ug/l	100
70) Styrene	10.71	104	408699	48.99	ug/l	100
71) Bromoform	10.86	173	123098	52.20	ug/l	97
73) Isopropylbenzene	11.02	105	648136	59.11	ug/l	100
74) N-amyl acetate	10.90	43	315782	52.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	227058	50.87	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	237257m	60.85	ug/l	
77) Bromobenzene	11.26	156	174895	54.91	ug/l	99
78) n-propylbenzene	11.36	91	752300	59.80	ug/l	99
79) 2-Chlorotoluene	11.42	91	444924	56.74	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	557643	55.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	65985	46.31	ug/l	97
82) 4-Chlorotoluene	11.51	91	526322	57.02	ug/l	100
83) tert-Butylbenzene	11.77	119	558256	61.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	574273	55.43	ug/l	100
85) sec-Butylbenzene	11.94	105	662280	60.23	ug/l	99
86) p-Isopropyltoluene	12.07	119	600709	60.30	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	323567	54.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	329724	53.71	ug/l	100
89) n-Butylbenzene	12.39	91	535879	59.23	ug/l	100
90) Hexachloroethane	12.60	117	99681	60.09	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	328890	52.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57392	58.56	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	252894	58.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	124064	54.88	ug/l	100
95) Naphthalene	13.83	128	795323	54.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	260603	57.87	ug/l	100

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

