

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007685.D
 Acq On : 25 Feb 2019 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 2:58:11 PM

Quant Time: Feb 26 04:43:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	543665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	486779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	197421	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	178853	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.71	98	661182	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
62) 4-Bromofluorobenzene	11.13	95	234066	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	149324	47.237	ug/l	97
3) Chloromethane	1.33	50	158955	45.376	ug/l	100
4) Vinyl Chloride	1.41	62	165689	46.102	ug/l	97
5) Bromomethane	1.64	94	110160	48.620	ug/l	99
6) Chloroethane	1.72	64	106426	46.350	ug/l	97
7) Trichlorofluoromethane	1.93	101	256520	46.559	ug/l	96
8) Diethyl Ether	2.19	74	102240	45.216	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	146566	44.013	ug/l	93
10) Methyl Iodide	2.51	142	209336	50.485	ug/l	97
11) Tert butyl alcohol	3.07	59	187547	232.545	ug/l	98
12) 1,1-Dichloroethene	2.38	96	142757	47.559	ug/l	99
13) Acrolein	2.30	56	153087	213.611	ug/l	99
14) Allyl chloride	2.73	41	256342	46.186	ug/l	98
15) Acrylonitrile	3.15	53	449392	236.780	ug/l	99
16) Acetone	2.45	43	399640	211.420	ug/l	96
17) Carbon Disulfide	2.57	76	388095	46.473	ug/l	99
18) Methyl Acetate	2.78	43	196524	47.645	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	491852	47.054	ug/l	98
20) Methylene Chloride	2.86	84	159169	45.602	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	152132	46.620	ug/l	94
22) Diisopropyl ether	3.87	45	541440	46.862	ug/l	99
23) Vinyl Acetate	3.82	43	2358497	232.666	ug/l	99
24) 1,1-Dichloroethane	3.70	63	294498	46.900	ug/l	99
25) 2-Butanone	4.70	43	659301	228.974	ug/l	99
26) 2,2-Dichloropropane	4.59	77	202969	40.494	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	194966	46.955	ug/l	98
28) Bromochloromethane	5.02	49	140845	46.074	ug/l	94
29) Tetrahydrofuran	5.15	42	436107	229.771	ug/l	99
30) Chloroform	5.21	83	309361	45.994	ug/l	99
31) Cyclohexane	5.57	56	267642	45.313	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	263131	47.303	ug/l	99
36) 1,1-Dichloropropene	5.80	75	227542	46.554	ug/l	99
37) Ethyl Acetate	4.85	43	252250	46.459	ug/l	98
38) Carbon Tetrachloride	5.79	117	227421	46.320	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	274991	44.516	ug/l	99
40) Benzene	6.14	78	711476	47.155	ug/l	98
41) Methacrylonitrile	5.06	41	137486	47.421	ug/l	98
42) 1,2-Dichloroethane	6.20	62	237310	46.795	ug/l	99
43) Isopropyl Acetate	6.46	43	394325	47.189	ug/l	99
44) Trichloroethene	7.21	130	196534	47.351	ug/l	94
45) 1,2-Dichloropropane	7.51	63	182748	46.757	ug/l	99
46) Dibromomethane	7.66	93	122846	45.053	ug/l	94
47) Bromodichloromethane	7.90	83	227407	48.126	ug/l	98
48) Methyl methacrylate	7.77	41	202650	46.265	ug/l	99
49) 1,4-Dioxane	7.75	88	91436	966.499	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1314504	235.005	ug/l	100
52) Toluene	8.79	92	449189	47.212	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	246827	42.464	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	272708	47.558	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	185623	46.785	ug/l	97
56) Ethyl methacrylate	9.18	69	274238	48.605	ug/l	99
57) 1,3-Dichloropropane	9.37	76	301927	47.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	740520	238.006	ug/l	99
59) 2-Hexanone	9.49	43	1004113	228.654	ug/l	100
60) Dibromochloromethane	9.59	129	188853	49.468	ug/l	97
61) 1,2-Dibromoethane	9.67	107	197942	48.052	ug/l	99
64) Tetrachloroethene	9.34	164	189810	48.032	ug/l	97
65) Chlorobenzene	10.14	112	494250	46.946	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	177841	48.426	ug/l	98
67) Ethyl Benzene	10.25	91	837651	48.030	ug/l	98
68) m/p-Xylenes	10.36	106	646172	95.238	ug/l	98
69) o-Xylene	10.69	106	314534	48.196	ug/l	97
70) Styrene	10.71	104	513472	47.867	ug/l	99
71) Bromoform	10.86	173	131045	47.586	ug/l #	100
73) Isopropylbenzene	11.02	105	833378	49.389	ug/l	99
74) N-amyl acetate	10.90	43	362079	49.413	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	269057	46.102	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	225687m	44.847	ug/l	
77) Bromobenzene	11.26	156	208691	49.309	ug/l	89
78) n-propylbenzene	11.36	91	959715	50.332	ug/l	97
79) 2-Chlorotoluene	11.42	91	556445	48.466	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	697049	50.221	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	79489	42.789	ug/l	94
82) 4-Chlorotoluene	11.51	91	652042	48.548	ug/l	97
83) tert-Butylbenzene	11.77	119	659050	49.454	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	705684	49.705	ug/l	98
85) sec-Butylbenzene	11.94	105	834695	49.983	ug/l	98
86) p-Isopropyltoluene	12.06	119	730377	49.941	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	374010	47.641	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	377384	46.938	ug/l	98
89) n-Butylbenzene	12.38	91	638279	48.938	ug/l	99
90) Hexachloroethane	12.60	117	121440	49.282	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	374759	47.710	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59110	46.484	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	232090	48.405	ug/l	98
94) Hexachlorobutadiene	13.78	225	102022	46.512	ug/l	99
95) Naphthalene	13.83	128	807209	51.963	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	233633	48.528	ug/l	98

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

