

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032119\
 Data File : VX008304.D
 Acq On : 21 Mar 2019 20:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 5:18:19 PM

Quant Time: Mar 22 10:04:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166741	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	147237	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
35) Dibromofluoromethane	5.50	113	118245	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.71	98	465422	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.13	95	172941	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	101372	38.35	ug/l	99
3) Chloromethane	1.32	50	92130	27.78	ug/l	93
4) Vinyl Chloride	1.41	62	103966	31.44	ug/l	99
5) Bromomethane	1.64	94	177394	62.98	ug/l	100
6) Chloroethane	1.71	64	73111	35.26	ug/l	98
7) Trichlorofluoromethane	1.93	101	168409	39.91	ug/l	98
8) Diethyl Ether	2.19	74	87605	40.35	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	109958	39.25	ug/l	96
10) Methyl Iodide	2.51	142	148484	41.62	ug/l	97
11) Tert butyl alcohol	3.06	59	131585	187.21	ug/l	97
12) 1,1-Dichloroethene	2.37	96	103714	39.21	ug/l	95
13) Acrolein	2.30	56	159977	326.44	ug/l	98
14) Allyl chloride	2.73	41	199786	34.70	ug/l	# 86
15) Acrylonitrile	3.14	53	373719	201.02	ug/l	98
16) Acetone	2.45	43	303811	163.15	ug/l	95
17) Carbon Disulfide	2.57	76	283420	33.06	ug/l	99
18) Methyl Acetate	2.77	43	173404	40.22	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	441675	46.18	ug/l	98
20) Methylene Chloride	2.85	84	118377	38.12	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	130756	45.76	ug/l	91
22) Diisopropyl ether	3.85	45	588426	52.18	ug/l	# 78
23) Vinyl Acetate	3.82	43	2418773	250.17	ug/l	99
24) 1,1-Dichloroethane	3.70	63	241665	41.66	ug/l	98
25) 2-Butanone	4.68	43	621118	225.96	ug/l	100
26) 2,2-Dichloropropane	4.59	77	180653	41.34	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	157084	48.22	ug/l	96
28) Bromochloromethane	5.02	49	110604	42.47	ug/l	88
29) Tetrahydrofuran	5.13	42	429376	249.87	ug/l	99
30) Chloroform	5.21	83	284791	52.49	ug/l	99
31) Cyclohexane	5.58	56	256456	47.09	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	233591	51.76	ug/l	96
36) 1,1-Dichloropropene	5.81	75	205847	49.93	ug/l	99
37) Ethyl Acetate	4.84	43	250100	51.32	ug/l	100
38) Carbon Tetrachloride	5.79	117	204229	55.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	247177	49.82	ug/l	97
40) Benzene	6.15	78	606778	49.73	ug/l	98
41) Methacrylonitrile	5.05	41	137039	50.13	ug/l	97
42) 1,2-Dichloroethane	6.20	62	228568	51.13	ug/l	96
43) Isopropyl Acetate	6.45	43	401617	51.41	ug/l	97
44) Trichloroethene	7.21	130	167444	56.12	ug/l	93
45) 1,2-Dichloropropane	7.51	63	167945	49.16	ug/l	99
46) Dibromomethane	7.66	93	106583	51.53	ug/l	91
47) Bromodichloromethane	7.90	83	232823	59.07	ug/l	98
48) Methyl methacrylate	7.77	41	218787	52.67	ug/l	92
49) 1,4-Dioxane	7.74	88	77403	1056.01	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1433394	283.83	ug/l	98
52) Toluene	8.79	92	410765	56.74	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	252498	51.12	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	271454	55.49	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	174547	59.68	ug/l	98
56) Ethyl methacrylate	9.18	69	278202	54.18	ug/l #	90
57) 1,3-Dichloropropane	9.37	76	295075	57.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	626945	261.61	ug/l	96
59) 2-Hexanone	9.49	43	1106439	284.57	ug/l	97
60) Dibromochloromethane	9.58	129	182300	64.85	ug/l	98
61) 1,2-Dibromoethane	9.67	107	183759	60.17	ug/l	99
64) Tetrachloroethene	9.34	164	159149	52.73	ug/l	96
65) Chlorobenzene	10.13	112	439215	53.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	164662	57.38	ug/l	99
67) Ethyl Benzene	10.25	91	797048	54.95	ug/l	98
68) m/p-Xylenes	10.36	106	595433	111.75	ug/l	94
69) o-Xylene	10.70	106	290384	56.09	ug/l	95
70) Styrene	10.71	104	474652	56.41	ug/l	96
71) Bromoform	10.85	173	137288	55.28	ug/l #	99
73) Isopropylbenzene	11.02	105	782528	52.65	ug/l	99
74) N-amyl acetate	10.90	43	400653	51.45	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	277797	52.13	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	274193m	58.47	ug/l	
77) Bromobenzene	11.26	156	191788	53.37	ug/l	89
78) n-propylbenzene	11.36	91	919803	53.28	ug/l	97
79) 2-Chlorotoluene	11.42	91	534505	51.59	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	659796	53.73	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	82893	45.20	ug/l	93
82) 4-Chlorotoluene	11.51	91	626617	51.97	ug/l	96
83) tert-Butylbenzene	11.77	119	638164	54.44	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	670691	53.88	ug/l	98
85) sec-Butylbenzene	11.94	105	784658	54.05	ug/l	98
86) p-Isopropyltoluene	12.06	119	681844	54.26	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	339047	52.79	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	339233	51.07	ug/l	98
89) n-Butylbenzene	12.39	91	632183	53.60	ug/l	97
90) Hexachloroethane	12.60	117	120652	56.37	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	344284	53.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64467	54.46	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	232076	54.41	ug/l	99
94) Hexachlorobutadiene	13.78	225	115394	55.47	ug/l	99
95) Naphthalene	13.83	128	767748	57.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	234176	55.80	ug/l	98

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

