

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007099.D
 Acq On : 17 Jan 2019 19:49
 Operator : JC/SP
 Sample : K1168-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW150-190115MS

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 10:24:25 AM

Quant Time: Jan 18 06:57:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	486466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	732681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	676310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	345775	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	256636	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
35) Dibromofluoromethane	5.50	113	235064	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
50) Toluene-d8	8.71	98	873466	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.13	95	311869	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	206278	51.636	ug/l	98
3) Chloromethane	1.33	50	230035	49.464	ug/l	98
4) Vinyl Chloride	1.41	62	249532	49.881	ug/l	99
5) Bromomethane	1.64	94	233091	43.611	ug/l	100
6) Chloroethane	1.71	64	164579	47.116	ug/l	98
7) Trichlorofluoromethane	1.93	101	399917	49.476	ug/l	99
8) Diethyl Ether	2.19	74	160100	49.786	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	239331	49.456	ug/l	99
10) Methyl Iodide	2.51	142	341140	52.260	ug/l	100
11) Tert butyl alcohol	3.08	59	289413	241.323	ug/l	99
12) 1,1-Dichloroethene	2.37	96	216124	48.339	ug/l	95
13) Acrolein	2.30	56	144129	278.302	ug/l	97
14) Allyl chloride	2.73	41	383345	50.029	ug/l	99
15) Acrylonitrile	3.15	53	718427	260.951	ug/l	100
16) Acetone	2.45	43	608633	242.159	ug/l	99
17) Carbon Disulfide	2.57	76	499633	43.405	ug/l	100
18) Methyl Acetate	2.78	43	388893	53.430	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	805791	51.925	ug/l	98
20) Methylene Chloride	2.85	84	255121	53.406	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	236951	47.557	ug/l	98
22) Diisopropyl ether	3.87	45	732158	50.826	ug/l	95
23) Vinyl Acetate	3.82	43	2921846	240.515	ug/l	99
24) 1,1-Dichloroethane	3.70	63	402683	49.992	ug/l	98
25) 2-Butanone	4.70	43	921543	256.251	ug/l	98
26) 2,2-Dichloropropane	4.58	77	260010	41.978	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	273445	49.756	ug/l	99
28) Bromochloromethane	5.01	49	167799	47.547	ug/l	93
29) Tetrahydrofuran	5.15	42	596321	255.152	ug/l	98
30) Chloroform	5.21	83	429608	50.941	ug/l	98
31) Cyclohexane	5.57	56	345553	48.200	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	358888	50.206	ug/l	98
36) 1,1-Dichloropropene	5.80	75	302844	47.542	ug/l	99
37) Ethyl Acetate	4.85	43	332584	48.700	ug/l	97
38) Carbon Tetrachloride	5.78	117	312575	48.771	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	424626	52.288	ug/l	93
40) Benzene	6.14	78	947260	48.735	ug/l	100
41) Methacrylonitrile	5.06	41	191160	48.589	ug/l	99
42) 1,2-Dichloroethane	6.20	62	327484	48.757	ug/l	100
43) Isopropyl Acetate	6.46	43	541471	50.265	ug/l	99
44) Trichloroethene	7.21	130	271049	46.536	ug/l	97
45) 1,2-Dichloropropane	7.51	63	244606	50.057	ug/l	96
46) Dibromomethane	7.66	93	172541	50.241	ug/l	97
47) Bromodichloromethane	7.90	83	311822	53.343	ug/l	96
48) Methyl methacrylate	7.77	41	281903	50.959	ug/l	97
49) 1,4-Dioxane	7.76	88	113777	899.750	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1856835	268.216	ug/l	98
52) Toluene	8.79	92	619410	49.581	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	332829	51.346	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	361249	50.465	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	260464	52.088	ug/l	98
56) Ethyl methacrylate	9.18	69	395881	54.231	ug/l	95
57) 1,3-Dichloropropane	9.37	76	421069	51.400	ug/l	99
59) 2-Hexanone	9.49	43	1378271	261.252	ug/l	99
60) Dibromochloromethane	9.59	129	269217	55.445	ug/l	99
61) 1,2-Dibromoethane	9.67	107	282620	51.339	ug/l	100
64) Tetrachloroethene	9.34	164	249278	42.573	ug/l	97
65) Chlorobenzene	10.14	112	798985	54.166	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	258386	52.071	ug/l	99
67) Ethyl Benzene	10.25	91	1194660	49.059	ug/l	98
68) m/p-Xylenes	10.36	106	941355	98.118	ug/l	99
69) o-Xylene	10.70	106	466730	49.882	ug/l	97
70) Stvrene	10.71	104	747286	50.427	ug/l	99
71) Bromoform	10.86	173	201426	45.809	ug/l #	100
73) Isopropylbenzene	11.02	105	1313685	53.879	ug/l	99
74) N-amyl acetate	10.90	43	496844	50.612	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	400543	51.747	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	360656m	51.471	ug/l	
77) Bromobenzene	11.26	156	333686	49.669	ug/l	98
78) n-propylbenzene	11.36	91	1383763	51.698	ug/l	98
79) 2-Chlorotoluene	11.42	91	797056	49.469	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1010936	49.621	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	101610	44.235	ug/l	94
82) 4-Chlorotoluene	11.51	91	921092	49.374	ug/l	100
83) tert-Butylbenzene	11.77	119	1214789	59.763	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1040108	50.770	ug/l	99
85) sec-Butylbenzene	11.94	105	1695106	69.828	ug/l	80
86) p-Isopropyltoluene	12.06	119	1106550	50.961	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	591544	48.715	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	598448	52.010	ug/l	99
89) n-Butylbenzene	12.39	91	980182	52.953	ug/l	98
90) Hexachloroethane	12.60	117	167956	48.542	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	588821	49.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	88017	57.495	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	419308	51.002	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	195251	53.517	ug/l	99
95) Naphthalene	13.83	128	1322607	53.090	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	421802	51.647	ug/l	97

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

