

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007192.D
 Acq On : 22 Jan 2019 19:54
 Operator : JC/SP
 Sample : K1215-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MSD

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:29:41 AM

Quant Time: Jan 23 02:16:30 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	5.66	168	439371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	657435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	614916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327129	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	229751	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	5.50	113	209520	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	758011	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	285560	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	178407	49.446	ug/l	99
3) Chloromethane	1.33	50	202156	48.129	ug/l	97
4) Vinyl Chloride	1.41	62	219643	48.612	ug/l	98
5) Bromomethane	1.64	94	224207	46.445	ug/l	96
6) Chloroethane	1.71	64	147796	46.847	ug/l	99
7) Trichlorofluoromethane	1.93	101	360628	49.398	ug/l	97
8) Diethyl Ether	2.19	74	144269	49.672	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	210313	48.118	ug/l	100
10) Methyl Iodide	2.51	142	330347	56.031	ug/l	99
11) Tert butyl alcohol	3.08	59	296822	274.029	ug/l	99
12) 1,1-Dichloroethene	2.37	96	196266	48.603	ug/l	97
13) Acrolein	2.29	56	161758	345.073	ug/l	99
14) Allyl chloride	2.73	41	349595	50.515	ug/l	99
15) Acrylonitrile	3.15	53	666599	268.079	ug/l	100
16) Acetone	2.45	43	566717	249.651	ug/l	100
17) Carbon Disulfide	2.57	76	439730	42.295	ug/l	99
18) Methyl Acetate	2.78	43	339835	51.695	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	730595	52.126	ug/l	99
20) Methylene Chloride	2.86	84	233501	54.127	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	210488	46.774	ug/l	98
22) Diisopropyl ether	3.87	45	667742	51.323	ug/l	97
23) Vinyl Acetate	3.82	43	2605934	237.503	ug/l	99
24) 1,1-Dichloroethane	3.70	63	364332	50.079	ug/l	98
25) 2-Butanone	4.70	43	852579	262.486	ug/l	100
26) 2,2-Dichloropropane	4.59	77	243787	43.578	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	240440	48.440	ug/l	98
28) Bromochloromethane	5.02	49	167339	52.499	ug/l	94
29) Tetrahydrofuran	5.15	42	545306	258.333	ug/l	98
30) Chloroform	5.21	83	392111	51.478	ug/l	97
31) Cyclohexane	5.57	56	299396	46.238	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	328823	50.931	ug/l	98
36) 1,1-Dichloropropene	5.80	75	269966	47.231	ug/l	99
37) Ethyl Acetate	4.85	43	298689	48.742	ug/l	97
38) Carbon Tetrachloride	5.78	117	284188	49.417	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	321545	44.127	ug/l	99
40) Benzene	6.14	78	856523	49.110	ug/l	99
41) Methacrylonitrile	5.06	41	175861	49.817	ug/l	99
42) 1,2-Dichloroethane	6.20	62	297876	49.425	ug/l	99
43) Isopropyl Acetate	6.46	43	489460	50.638	ug/l	98
44) Trichloroethene	7.21	130	247844	47.422	ug/l	95
45) 1,2-Dichloropropane	7.52	63	221564	50.531	ug/l	97
46) Dibromomethane	7.66	93	157504	51.112	ug/l	98
47) Bromodichloromethane	7.90	83	283854	54.116	ug/l	97
48) Methyl methacrylate	7.77	41	259533	52.285	ug/l	96
49) 1,4-Dioxane	7.75	88	127664	1127.286	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1731420	278.725	ug/l	99
52) Toluene	8.78	92	563221	50.244	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	304394	52.334	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	331349	51.586	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	244090	54.401	ug/l	97
56) Ethyl methacrylate	9.18	69	357165	54.527	ug/l	96
57) 1,3-Dichloropropane	9.37	76	385983	52.509	ug/l	99
59) 2-Hexanone	9.49	43	1306350	275.960	ug/l	99
60) Dibromochloromethane	9.58	129	254564	58.428	ug/l	97
61) 1,2-Dibromoethane	9.67	107	257037	52.036	ug/l	99
64) Tetrachloroethene	9.33	164	251639	47.267	ug/l	97
65) Chlorobenzene	10.14	112	669204	49.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	240571	53.322	ug/l	99
67) Ethyl Benzene	10.25	91	1089899	49.225	ug/l	99
68) m/p-Xylenes	10.36	106	858993	98.472	ug/l	98
69) o-Xylene	10.70	106	431853	50.763	ug/l	98
70) Styrene	10.71	104	702743	52.156	ug/l	99
71) Bromoform	10.86	173	189897	47.325	ug/l	99
73) Isopropylbenzene	11.02	105	1129516	48.966	ug/l	99
74) N-amyl acetate	10.90	43	442268	47.621	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	366527	50.051	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	338205m	51.018	ug/l	
77) Bromobenzene	11.26	156	313484	49.322	ug/l	100
78) n-propylbenzene	11.36	91	1260499	49.777	ug/l	99
79) 2-Chlorotoluene	11.42	91	756544	49.631	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	936567	48.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	99331	45.581	ug/l	99
82) 4-Chlorotoluene	11.51	91	875248	49.591	ug/l	100
83) tert-Butylbenzene	11.77	119	957166	49.773	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	957548	49.404	ug/l	100
85) sec-Butylbenzene	11.94	105	1128629	49.142	ug/l	100
86) p-Isopropyltoluene	12.06	119	1013555	49.338	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552192	48.066	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560725	51.510	ug/l	100
89) n-Butylbenzene	12.39	91	848981	48.480	ug/l	98
90) Hexachloroethane	12.60	117	158528	48.435	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	556020	49.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	77843	53.747	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	376220	48.369	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	168899	48.933	ug/l	99
95) Naphthalene	13.83	128	1198799	50.863	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	382036	49.444	ug/l	98

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

