

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013052.D
 Acq On : 14 Oct 2019 15:19
 Operator : JC/SP
 Sample : VX1014WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 2:54:59 PM

Quant Time: Oct 15 04:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	303654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116021	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
35) Dibromofluoromethane	5.49	113	91950	52.76	ug/l	0.00
Spiked Amount						
			Recovery	=	105.52%	
50) Toluene-d8	8.71	98	348845	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.14	95	130869	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	34940	18.861	ug/l	99
3) Chloromethane	1.32	50	37145	18.424	ug/l	98
4) Vinyl Chloride	1.40	62	37684	18.109	ug/l	95
5) Bromomethane	1.63	94	18261	21.110	ug/l	99
6) Chloroethane	1.72	64	25814	20.527	ug/l	100
7) Trichlorofluoromethane	1.92	101	56404	20.082	ug/l	96
8) Diethyl Ether	2.18	74	22693	20.017	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	36082	19.850	ug/l	99
10) Methyl Iodide	2.50	142	33803	19.828	ug/l	98
11) Tert butyl alcohol	3.03	59	57461	95.425	ug/l	98
12) 1,1-Dichloroethene	2.36	96	35130	19.128	ug/l	96
13) Acrolein	2.28	56	27492	64.244	ug/l	99
14) Allyl chloride	2.72	41	61083	18.676	ug/l	99
15) Acrylonitrile	3.13	53	116337	101.949	ug/l	99
16) Acetone	2.44	43	100167	83.660	ug/l	98
17) Carbon Disulfide	2.56	76	84505	16.137	ug/l	100
18) Methyl Acetate	2.76	43	56604	19.945	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	130270	20.540	ug/l	100
20) Methylene Chloride	2.85	84	41356	18.794	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	37752	19.178	ug/l	97
22) Diisopropyl ether	3.84	45	127469	20.339	ug/l	91
23) Vinyl Acetate	3.80	43	541648	100.114	ug/l	100
24) 1,1-Dichloroethane	3.69	63	71311	20.226	ug/l	99
25) 2-Butanone	4.66	43	160508	96.627	ug/l	95
26) 2,2-Dichloropropane	4.57	77	55373	18.676	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	45124	19.887	ug/l	98
28) Bromochloromethane	5.00	49	23280	21.842	ug/l	95
29) Tetrahydrofuran	5.11	42	101196	98.999	ug/l	98
30) Chloroform	5.20	83	72656	20.083	ug/l	97
31) Cyclohexane	5.57	56	63041	19.121	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	63074	20.576	ug/l	98
36) 1,1-Dichloropropene	5.79	75	52317	19.596	ug/l	99
37) Ethyl Acetate	4.82	43	59868	20.054	ug/l	99
38) Carbon Tetrachloride	5.78	117	51918	19.979	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61748	19.072	ug/l	99
40) Benzene	6.13	78	163376	20.720	ug/l	96
41) Methacrylonitrile	5.03	41	33560	20.459	ug/l	100
42) 1,2-Dichloroethane	6.18	62	58862	20.804	ug/l	100
43) Isopropyl Acetate	6.43	43	96488	20.137	ug/l	99
44) Trichloroethene	7.20	130	42674	19.517	ug/l	95
45) 1,2-Dichloropropane	7.51	63	40826	20.315	ug/l	98
46) Dibromomethane	7.65	93	27685	20.677	ug/l	98
47) Bromodichloromethane	7.89	83	53714	20.557	ug/l	96
48) Methyl methacrylate	7.76	41	46482	19.907	ug/l	98
49) 1,4-Dioxane	7.74	88	23309	394.028	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	308969	103.425	ug/l	100
52) Toluene	8.78	92	102326	20.284	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57814	19.129	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	64323	20.015	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41458	20.767	ug/l	98
56) Ethyl methacrylate	9.17	69	64974	19.341	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70819	20.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	154045	105.038	ug/l	98
59) 2-Hexanone	9.49	43	231445	99.526	ug/l	100
60) Dibromochloromethane	9.58	129	40603	19.455	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43763	20.839	ug/l	98
64) Tetrachloroethene	9.33	164	39809	21.181	ug/l	90
65) Chlorobenzene	10.14	112	108481	20.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	39572	21.210	ug/l	99
67) Ethyl Benzene	10.25	91	196150	20.521	ug/l	99
68) m/p-Xylenes	10.35	106	146505	41.028	ug/l	99
69) o-Xylene	10.70	106	70608	20.277	ug/l	99
70) Styrene	10.71	104	121236	20.480	ug/l	99
71) Bromoform	10.85	173	26587	18.812	ug/l #	99
73) Isopropylbenzene	11.01	105	188337	20.498	ug/l	99
74) N-amyl acetate	10.89	43	78813	19.917	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	63599	20.811	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	60480m	21.819	ug/l	
77) Bromobenzene	11.25	156	44282	20.452	ug/l	98
78) n-propylbenzene	11.35	91	205631	20.339	ug/l	99
79) 2-Chlorotoluene	11.42	91	129325	20.353	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	159403	20.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	17853	19.294	ug/l	96
82) 4-Chlorotoluene	11.51	91	145658	20.000	ug/l	98
83) tert-Butylbenzene	11.77	119	152837	20.422	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	162687	20.938	ug/l	99
85) sec-Butylbenzene	11.94	105	181637	20.949	ug/l	98
86) p-Isopropyltoluene	12.06	119	163264	20.303	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	78498	19.523	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	79013	19.404	ug/l	99
89) n-Butylbenzene	12.39	91	137367	20.325	ug/l	99
90) Hexachloroethane	12.59	117	26313	19.037	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	79542	20.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13995	19.539	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47165	19.101	ug/l	94
94) Hexachlorobutadiene	13.78	225	22885	20.083	ug/l	98
95) Naphthalene	13.83	128	171217	20.003	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	51036	20.001	ug/l	96

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

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