

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122319\
 Data File : VX014220.D
 Acq On : 23 Dec 2019 23:22
 Operator : JC/SP
 Sample : VX1223MBS02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223MBS02

Manual Integrations
 APPROVED

apatel
 12/24/2019 12:05:15 PM

Quant Time: Dec 24 04:02:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	508128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	790046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	703687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	344443	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	284830	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.49	113	232246	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	8.71	98	918532	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	322193	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	77441	17.035	ug/l	98
3) Chloromethane	1.32	50	106830	17.511	ug/l	97
4) Vinyl Chloride	1.40	62	113563	17.642	ug/l	100
5) Bromomethane	1.63	94	69385	15.187	ug/l	99
6) Chloroethane	1.72	64	77078	19.401	ug/l	99
7) Trichlorofluoromethane	1.92	101	147189	18.471	ug/l	99
8) Diethyl Ether	2.18	74	69268	18.521	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89436	18.619	ug/l	99
10) Methyl Iodide	2.50	142	83943	15.178	ug/l	98
11) Tert butyl alcohol	3.02	59	127566	102.514	ug/l	95
12) 1,1-Dichloroethene	2.37	96	89689	18.349	ug/l	97
13) Acrolein	2.28	56	60989	85.620	ug/l	95
14) Allyl chloride	2.72	41	160983	18.446	ug/l	99
15) Acrylonitrile	3.13	53	284671	98.012	ug/l	99
16) Acetone	2.43	43	316809	84.736	ug/l	98
17) Carbon Disulfide	2.56	76	228446	17.333	ug/l	100
18) Methyl Acetate	2.76	43	151654	20.470	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	306798	19.101	ug/l	98
20) Methylene Chloride	2.85	84	106926	18.161	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	95489	17.733	ug/l	98
22) Diisopropyl ether	3.84	45	333212	19.160	ug/l	92
23) Vinyl Acetate	3.80	43	807885	56.925	ug/l	100
24) 1,1-Dichloroethane	3.69	63	182281	18.839	ug/l	98
25) 2-Butanone	4.65	43	433076	93.953	ug/l	98
26) 2,2-Dichloropropane	4.58	77	117909	15.695	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	115509	18.967	ug/l	98
28) Bromochloromethane	5.00	49	79039	21.502	ug/l	95
29) Tetrahydrofuran	5.11	42	256401	99.450	ug/l	99
30) Chloroform	5.20	83	176001	19.188	ug/l	100
31) Cyclohexane	5.57	56	158991	18.475	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	145111	18.563	ug/l	100
36) 1,1-Dichloropropene	5.79	75	129902	17.920	ug/l	99
37) Ethyl Acetate	4.82	43	150707	18.826	ug/l	99
38) Carbon Tetrachloride	5.78	117	120421	18.235	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155412	17.363	ug/l	97
40) Benzene	6.14	78	411486	18.448	ug/l	99
41) Methacrylonitrile	5.03	41	84676	19.064	ug/l	97
42) 1,2-Dichloroethane	6.18	62	139976	18.513	ug/l	100
43) Isopropyl Acetate	6.43	43	249034	18.798	ug/l	99
44) Trichloroethene	7.21	130	118801	19.284	ug/l	94
45) 1,2-Dichloropropane	7.51	63	105341	18.426	ug/l	97
46) Dibromomethane	7.65	93	69633	18.423	ug/l	98
47) Bromodichloromethane	7.89	83	131016	18.405	ug/l	97
48) Methyl methacrylate	7.76	41	120297	18.544	ug/l	99
49) 1,4-Dioxane	7.73	88	49979	378.584	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	788818	94.810	ug/l	99
52) Toluene	8.78	92	256258	18.177	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	138528	17.747	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	159802	18.377	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	105834	18.730	ug/l	99
56) Ethyl methacrylate	9.17	69	162718	18.333	ug/l	100
57) 1,3-Dichloropropane	9.37	76	176511	18.567	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	330514	98.399	ug/l	99
59) 2-Hexanone	9.48	43	616755	92.086	ug/l	99
60) Dibromochloromethane	9.57	129	104708	18.643	ug/l	100
61) 1,2-Dibromoethane	9.67	107	110225	19.066	ug/l	99
64) Tetrachloroethene	9.33	164	162490	26.095	ug/l	98
65) Chlorobenzene	10.14	112	277661	18.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	101252	18.953	ug/l	99
67) Ethyl Benzene	10.25	91	478123	18.587	ug/l	98
68) m/p-Xylenes	10.36	106	366106	37.004	ug/l	100
69) o-Xylene	10.70	106	181483	18.704	ug/l	100
70) Styrene	10.71	104	304405	18.552	ug/l	99
71) Bromoform	10.85	173	77412	18.027	ug/l	99
73) Isopropylbenzene	11.01	105	475413	19.604	ug/l	100
74) N-amyl acetate	10.89	43	206836	18.195	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	142495	16.948	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	131826m	17.629	ug/l	
77) Bromobenzene	11.25	156	123136	18.454	ug/l	99
78) n-propylbenzene	11.35	91	531824	19.551	ug/l	100
79) 2-Chlorotoluene	11.42	91	315842	19.101	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	389869	19.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	45047	17.003	ug/l	93
82) 4-Chlorotoluene	11.51	91	362564	18.903	ug/l	98
83) tert-Butylbenzene	11.76	119	331846	16.707	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	395821	19.365	ug/l	100
85) sec-Butylbenzene	11.94	105	452667	19.305	ug/l	100
86) p-Isopropyltoluene	12.06	119	406606	18.957	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	211741	18.107	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	214611	18.049	ug/l	99
89) n-Butylbenzene	12.39	91	338084	18.473	ug/l	100
90) Hexachloroethane	12.59	117	68869	17.876	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	216402	18.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32567	17.504	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	134642	17.597	ug/l	96
94) Hexachlorobutadiene	13.78	225	67028	18.228	ug/l	99
95) Naphthalene	13.83	128	424951	18.903	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	140254	18.569	ug/l	96

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

