

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007225.D
 Acq On : 25 Jan 2019 13:13
 Operator : JC/SP
 Sample : VX0125WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0125WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:26 PM

Quant Time: Jan 28 11:02:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	86290	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	470996	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	426881	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	168084	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.13	95	199060	30.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.70%
63) Toluene-d8	8.71	98	570406	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	69637	17.979	ug/l 99
3) Chloromethane	1.33	50	86624	20.004	ug/l 99
4) Vinyl Chloride	1.41	62	95772	19.490	ug/l 100
5) Bromomethane	1.64	94	92521	18.064	ug/l 97
6) Chloroethane	1.73	64	62728	18.941	ug/l 96
7) Trichlorofluoromethane	1.93	101	155526	18.746	ug/l 100
8) Diethyl Ether	2.20	74	61099	19.483	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91878	18.751	ug/l 99
10) 1,1-Dichloroethene	2.38	96	84060	18.875	ug/l 95
11) Methyl Iodide	2.51	142	120933	16.737	ug/l 96
12) Methyl Acetate	2.78	43	141525	18.659	ug/l 100
13) Acrolein	2.30	56	50091	91.224	ug/l 98
14) Acrylonitrile	3.15	53	273315	96.250	ug/l 99
15) Acetone	2.45	58	78302	97.013	ug/l 79
16) Carbon Disulfide	2.57	76	191357	17.819	ug/l 100
17) Allyl chloride	2.73	41	145478	18.787	ug/l 98
18) Methylene Chloride	2.86	84	101691	19.811	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	90792	18.827	ug/l 98
20) Diisopropyl ether	3.87	45	281203	19.506	ug/l 94
21) 1,1-Dichloroethane	3.70	63	155106	18.838	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	100712	18.990	ug/l 99
23) tert-Butyl Alcohol	3.07	59	112545	94.311	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	307715	19.726	ug/l 99
25) Chloroform	5.22	83	164435	19.323	ug/l 99
26) Cyclohexane	5.58	56	131036	18.896	ug/l 99
29) 1,1-Dichloropropene	5.80	75	116783	19.020	ug/l 99
30) 2-Butanone	4.70	43	353275	96.294	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	110079	17.746	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	134575	18.546	ug/l 98
33) Carbon Tetrachloride	5.78	117	117834	18.473	ug/l 97
34) Benzene	6.15	78	362388	19.135	ug/l 97
35) Methacrylonitrile	5.06	41	73108	19.522	ug/l 98
36) 1,2-Dichloroethane	6.20	62	127274	19.475	ug/l 100
37) Trichloroethene	7.21	130	107246	19.205	ug/l 97
38) Methylcyclohexane	7.46	83	141022	18.123	ug/l 99
39) 1,2-Dichloropropane	7.52	63	90729	19.103	ug/l 99
40) Dibromomethane	7.66	93	65815	19.237	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	107295	17.870	ug/l #	97
42) Vinyl Acetate	3.82	43	1150958	92.529	ug/l	100
43) Ethyl Acetate	4.85	43	128130	18.717	ug/l	100
44) Isopropyl Acetate	6.46	43	202158	18.908	ug/l	99
45) 1,4-Dioxane	7.75	88	47497	366.597	ug/l	99
46) Methyl methacrylate	7.77	41	103642	18.958	ug/l	97
47) n-amyl Acetate	10.90	43	178378	18.974	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	116679	17.817	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	131460	18.070	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	96696	18.831	ug/l	92
51) Ethyl methacrylate	9.18	69	140244	19.114	ug/l	97
52) 1,3-Dichloropropane	9.37	76	155854	18.955	ug/l	98
53) Dibromochloromethane	9.58	129	93296	17.976	ug/l	96
54) 1,2-Dibromoethane	9.67	107	106552	19.275	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	391811	97.072	ug/l	100
56) Bromoform	10.86	173	69350	17.598	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	698824	97.899	ug/l	99
59) 2-Hexanone	9.49	43	531088	96.144	ug/l	100
61) Tetrachloroethene	9.33	164	111476	18.735	ug/l	94
62) Toluene	8.79	91	415567	19.340	ug/l	99
64) Chlorobenzene	10.14	112	272589	19.231	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	93700	18.662	ug/l	97
66) Ethyl Benzene	10.25	91	443468	19.049	ug/l	98
67) m/p-Xylenes	10.36	106	345931	37.627	ug/l	100
68) o-Xylene	10.70	106	170529	18.935	ug/l	99
69) Styrene	10.71	104	275384	18.953	ug/l	99
70) Isopropylbenzene	11.02	105	456352	19.140	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	148817	19.494	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	118428m	16.500	ug/l	
73) Bromobenzene	11.26	156	123732	18.749	ug/l	98
74) n-propylbenzene	11.36	91	510072	19.009	ug/l	100
75) 2-Chlorotoluene	11.42	91	300866	18.907	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	372628	18.725	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	35070	16.818	ug/l	95
78) 4-Chlorotoluene	11.51	91	344459	18.592	ug/l	99
79) tert-butylbenzene	12.07	119	396521	18.417	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	383635	19.039	ug/l	98
81) sec-Butylbenzene	11.94	105	451440	18.814	ug/l	99
82) p-Isopropyltoluene	12.07	119	396521	18.417	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	220896	18.830	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	219432	18.696	ug/l	100
85) n-Butylbenzene	12.39	91	335264	18.144	ug/l	99
86) Hexachloroethane	12.60	117	59326	17.821	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	221151	18.933	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	28504	18.319	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	150653	18.787	ug/l	98
90) Hexachlorobutadiene	13.78	225	72043	18.837	ug/l	99
91) Naphthalene	13.83	128	456117	18.790	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	147865	18.596	ug/l	98

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

