

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021319\
 Data File : VX007503.D
 Acq On : 13 Feb 2019 00:22
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:52:54 AM

Quant Time: Feb 13 07:58:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:08:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	74203	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	411491	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	359024	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	146494	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	11.14	95	171241	31.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.40%
63) Toluene-d8	8.71	98	486303	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	565307	162.617	ug/l 99
3) Chloromethane	1.32	50	623596	162.158	ug/l 97
4) Vinyl Chloride	1.41	62	696741	160.895	ug/l 98
5) Bromomethane	1.64	94	644262	150.066	ug/l 99
6) Chloroethane	1.71	64	565620	194.047	ug/l 95
7) Trichlorofluoromethane	1.92	101	1135538	157.159	ug/l 98
8) Diethyl Ether	2.19	74	446636	162.287	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	629795	148.824	ug/l 98
10) 1,1-Dichloroethene	2.37	96	638845	163.516	ug/l 93
11) Methyl Iodide	2.51	142	997067	162.200	ug/l 100
12) Methyl Acetate	2.78	43	821482	129.664	ug/l 97
13) Acrolein	2.30	56	792885	1389.339	ug/l 97
14) Acrylonitrile	3.16	53	1971666	796.653	ug/l 99
15) Acetone	2.45	58	527888	759.865	ug/l 90
16) Carbon Disulfide	2.56	76	1790303	185.307	ug/l 99
17) Allyl chloride	2.73	41	1112853	165.351	ug/l 98
18) Methylene Chloride	2.85	84	689937	154.770	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	681152	161.749	ug/l 99
20) Diisopropyl ether	3.87	45	2026768	160.981	ug/l 97
21) 1,1-Dichloroethane	3.70	63	1122667	156.989	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	742438	159.556	ug/l 99
23) tert-Butyl Alcohol	3.10	59	850401m	821.335	ug/l
24) Methyl tert-Butyl Ether	3.21	73	2210734	162.372	ug/l 99
25) Chloroform	5.22	83	1181418	159.101	ug/l 98
26) Cyclohexane	5.57	56	978062	161.215	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	868125	159.308	ug/l 99
30) 2-Butanone	4.71	43	2496265	771.600	ug/l 99
31) 2,2-Dichloropropane	4.58	77	712130	134.239	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	1050943	162.347	ug/l 99
33) Carbon Tetrachloride	5.78	117	948452	166.485	ug/l 96
34) Benzene	6.14	78	2647225	156.933	ug/l # 97
35) Methacrylonitrile	5.06	41	530731	159.940	ug/l 98
36) 1,2-Dichloroethane	6.20	62	892320	153.720	ug/l 100
37) Trichloroethene	7.21	130	774882	156.459	ug/l 98
38) Methylcyclohexane	7.46	83	1020647	149.316	ug/l 99
39) 1,2-Dichloropropane	7.52	63	663807	156.826	ug/l 99
40) Dibromomethane	7.66	93	482241	157.202	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	904359	168.420	ug/l	98
42) Vinyl Acetate	3.83	43	9129724	817.669	ug/l	99
43) Ethyl Acetate	4.86	43	964904	157.794	ug/l #	82
44) Isopropyl Acetate	6.46	43	1552291	163.280	ug/l	99
45) 1,4-Dioxane	7.76	88	363881	3183.696	ug/l	99
46) Methyl methacrylate	7.77	41	779021	161.202	ug/l	99
47) n-amyl Acetate	10.90	43	1462106	175.561	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	987332	170.692	ug/l	97
49) cis-1,3-Dichloropropene	8.44	75	1057843	164.358	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	688562	150.908	ug/l	96
51) Ethyl methacrylate	9.18	69	1044989	159.763	ug/l	99
52) 1,3-Dichloropropane	9.37	76	1113585	152.144	ug/l	100
53) Dibromochloromethane	9.59	129	792891	171.571	ug/l	100
54) 1,2-Dibromoethane	9.67	107	762832	155.627	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	2715522	772.538	ug/l	100
56) Bromoform	10.86	173	637525	181.398	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	4955502	811.107	ug/l	99
59) 2-Hexanone	9.50	43	3869524	826.219	ug/l	99
61) Tetrachloroethene	9.34	164	748858	150.310	ug/l	97
62) Toluene	8.79	91	2948524	160.137	ug/l	99
64) Chlorobenzene	10.14	112	1900041	156.604	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	718708	166.267	ug/l	99
66) Ethyl Benzene	10.25	91	3183928	160.606	ug/l	99
67) m/p-Xylenes	10.36	106	2538692	325.180	ug/l	99
68) o-Xylene	10.70	106	1222646	159.817	ug/l	100
69) Styrene	10.71	104	2038141	165.074	ug/l	99
70) Isopropylbenzene	11.02	105	3251764	160.859	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	1067396	163.092	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	961489m	157.564	ug/l	
73) Bromobenzene	11.26	156	882714	157.817	ug/l	99
74) n-propylbenzene	11.36	91	3668299	161.748	ug/l	100
75) 2-Chlorotoluene	11.42	91	2135172	158.525	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	2714099	161.553	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	332361	186.073	ug/l	82
78) 4-Chlorotoluene	11.51	91	2558828	164.130	ug/l	98
79) tert-butylbenzene	12.07	119	2906098	160.185	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	2730737	160.536	ug/l	100
81) sec-Butylbenzene	11.94	105	3246119	160.679	ug/l	99
82) p-Isopropyltoluene	12.07	119	2906098	160.185	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	1582584	159.656	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	1594083	160.951	ug/l	98
85) n-Butylbenzene	12.39	91	2578941	166.445	ug/l	100
86) Hexachloroethane	12.60	117	522025	182.272	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	1593512	160.939	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	243336	181.940	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	1131467	168.134	ug/l	100
90) Hexachlorobutadiene	13.78	225	504954	157.574	ug/l	97
91) Naphthalene	13.83	128	3526247	171.397	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	1120175	167.682	ug/l	99

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

