

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072718\
 Data File : VX003723.D
 Acq On : 27 Jul 2018 20:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:33 PM

Quant Time: Jul 28 03:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	23585	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	117995	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	96188	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	50629	29.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.47%
60) 4-Bromofluorobenzene	11.14	95	46874	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.72	98	133636	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	21784	17.487	ug/l 99
3) Chloromethane	1.32	50	29694	17.711	ug/l 98
4) Vinyl Chloride	1.40	62	30708	17.415	ug/l 98
5) Bromomethane	1.64	94	17780	16.870	ug/l 100
6) Chloroethane	1.72	64	20156	17.463	ug/l 97
7) Trichlorofluoromethane	1.93	101	40934	17.260	ug/l 97
8) Diethyl Ether	2.19	74	17793	17.502	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	25476	17.716	ug/l 98
10) 1,1-Dichloroethene	2.37	96	24995	18.485	ug/l 90
11) Methyl Iodide	2.51	142	33343	17.789	ug/l 94
12) Methyl Acetate	2.78	43	44689	17.862	ug/l 93
13) Acrolein	2.30	56	17287	88.589	ug/l 96
14) Acrylonitrile	3.15	53	87313	88.567	ug/l 99
15) Acetone	2.45	58	23281	87.026	ug/l 70
16) Carbon Disulfide	2.57	76	65086	17.333	ug/l 100
17) Allyl chloride	2.73	41	47339	16.916	ug/l 91
18) Methylene Chloride	2.86	84	29582	18.468	ug/l 88
19) trans-1,2-Dichloroethene	3.17	96	26396	18.059	ug/l 95
20) Diisopropyl ether	3.88	45	91826	17.868	ug/l 97
21) 1,1-Dichloroethane	3.70	63	51323	17.641	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	29682	20.110	ug/l # 78
23) tert-Butyl Alcohol	3.08	59	36981	89.303	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	86526	17.842	ug/l # 90
25) Chloroform	5.22	83	49615	19.692	ug/l 99
26) Cyclohexane	5.57	56	43434	19.873	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	35983	20.651	ug/l 98
30) 2-Butanone	4.71	43	115565	103.857	ug/l 95
31) 2,2-Dichloropropane	4.58	77	33001	19.553	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	40906	20.519	ug/l 99
33) Carbon Tetrachloride	5.78	117	35747	20.634	ug/l 98
34) Benzene	6.15	78	113567	21.214	ug/l 97
35) Methacrylonitrile	5.07	41	24417	21.116	ug/l 91
36) 1,2-Dichloroethane	6.20	62	39187	20.365	ug/l 96
37) Trichloroethene	7.22	130	27347	19.599	ug/l 92
38) Methylcyclohexane	7.46	83	33640	16.990	ug/l 99
39) 1,2-Dichloropropane	7.52	63	24776	17.513	ug/l 96
40) Dibromomethane	7.67	93	15956	17.428	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	29856	17.069	ug/l	98
42) Vinyl Acetate	3.83	43	383367	89.663	ug/l	98
43) Ethyl Acetate	4.87	43	43603	20.978	ug/l	95
44) Isopropyl Acetate	6.47	43	64955	20.375	ug/l	96
45) 1,4-Dioxane	7.76	88	12372	349.447	ug/l #	88
46) Methyl methacrylate	7.78	41	29186	17.745	ug/l	94
47) n-amyl Acetate	10.90	43	50354	16.730	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	35609	16.777	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	32536	16.338	ug/l	94
50) 1,1,2-Trichloroethane	9.22	97	24493	16.853	ug/l	99
51) Ethyl methacrylate	9.18	69	35777	16.349	ug/l	90
52) 1,3-Dichloropropane	9.38	76	41609	17.204	ug/l	100
53) Dibromochloromethane	9.59	129	22926	16.060	ug/l	99
54) 1,2-Dibromoethane	9.68	107	25218	16.593	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	95739	84.822	ug/l	99
56) Bromoform	10.86	173	17141	15.472	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	196045	107.941	ug/l	96
59) 2-Hexanone	9.50	43	150718	104.220	ug/l	97
61) Tetrachloroethene	9.34	164	22169	19.804	ug/l	96
62) Toluene	8.79	91	103486	20.728	ug/l	99
64) Chlorobenzene	10.14	112	64722	20.061	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22861	20.025	ug/l	98
66) Ethyl Benzene	10.26	91	109421	19.917	ug/l	99
67) m/p-Xylenes	10.36	106	85658	40.480	ug/l	100
68) o-Xylene	10.70	106	40566	20.039	ug/l	99
69) Styrene	10.71	104	68344	19.938	ug/l	99
70) Isopropylbenzene	11.02	105	111929	20.082	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	41565	20.890	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	35123m	21.220	ug/l	
73) Bromobenzene	11.26	156	29897	19.904	ug/l	98
74) n-propylbenzene	11.36	91	136664	20.817	ug/l	99
75) 2-Chlorotoluene	11.42	91	80842	20.893	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	96880	20.485	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	10208	18.099	ug/l	90
78) 4-Chlorotoluene	11.51	91	93246	20.596	ug/l	100
79) tert-butylbenzene	12.07	119	95920	19.712	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	101803	21.033	ug/l	99
81) sec-Butylbenzene	11.95	105	114292	20.752	ug/l	98
82) p-Isopropyltoluene	12.07	119	95920	19.712	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	54533	19.880	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	54431	19.708	ug/l	100
85) n-Butylbenzene	12.39	91	84063	19.462	ug/l	98
86) Hexachloroethane	12.60	117	15157	19.329	ug/l	93
87) 1,2-Dichlorobenzene	12.40	146	55015	19.978	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	8416	20.040	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	40063	20.720	ug/l	99
90) Hexachlorobutadiene	13.79	225	19735	22.517	ug/l	99
91) Naphthalene	13.83	128	128374	21.724	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	39832	20.230	ug/l	99

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

