

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003721.D
 Acq On : 27 Jul 2018 19:39
 Operator : JC/SP
 Sample : VX0727WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:32 PM

Quant Time: Jul 28 02:40:21 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	5.02	128	24075	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	121762	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	97425	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	50796	28.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.80%
60) 4-Bromofluorobenzene	11.14	95	47039	29.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.97%
63) Toluene-d8	8.72	98	134900	30.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	22299	17.536	ug/l 99
3) Chloromethane	1.32	50	30079	17.575	ug/l 98
4) Vinyl Chloride	1.40	62	31215	17.343	ug/l 99
5) Bromomethane	1.64	94	18440	17.140	ug/l 97
6) Chloroethane	1.72	64	20698	17.568	ug/l 97
7) Trichlorofluoromethane	1.93	101	41942	17.325	ug/l 97
8) Diethyl Ether	2.19	74	18027	17.372	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26438	18.010	ug/l 97
10) 1,1-Dichloroethene	2.37	96	24777	17.951	ug/l 91
11) Methyl Iodide	2.51	142	32027	16.740	ug/l 94
12) Methyl Acetate	2.78	43	47002	18.404	ug/l 95
13) Acrolein	2.29	56	17540	88.056	ug/l 99
14) Acrylonitrile	3.15	53	91599	91.023	ug/l 98
15) Acetone	2.45	58	23954	87.719	ug/l 74
16) Carbon Disulfide	2.57	76	64890	16.929	ug/l 100
17) Allyl chloride	2.73	41	48937	17.131	ug/l 89
18) Methylene Chloride	2.86	84	29386	17.973	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	26752	17.930	ug/l 98
20) Diisopropyl ether	3.87	45	95832	18.268	ug/l 97
21) 1,1-Dichloroethane	3.70	63	54104	18.219	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	29835	19.802	ug/l # 76
23) tert-Butyl Alcohol	3.07	59	38000	89.897	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	88769	17.932	ug/l 91
25) Chloroform	5.22	83	49580	19.278	ug/l 99
26) Cyclohexane	5.57	56	43164	19.347	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	35528	19.759	ug/l 98
30) 2-Butanone	4.71	43	117039	101.928	ug/l 95
31) 2,2-Dichloropropane	4.59	77	34898	20.037	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	41684	20.262	ug/l 98
33) Carbon Tetrachloride	5.79	117	35578	19.902	ug/l 96
34) Benzene	6.15	78	113277	20.506	ug/l 98
35) Methacrylonitrile	5.07	41	24275	20.343	ug/l 92
36) 1,2-Dichloroethane	6.20	62	40291	20.291	ug/l 97
37) Trichloroethene	7.21	130	27454	19.067	ug/l 99
38) Methylcyclohexane	7.46	83	38036	18.616	ug/l 99
39) 1,2-Dichloropropane	7.52	63	27365	18.744	ug/l 97
40) Dibromomethane	7.67	93	16104	17.046	ug/l 96

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Quant Time: Jul 28 02:40:21 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	29666	16.436	ug/l	98
42) Vinyl Acetate	3.83	43	405354	91.872	ug/l	99
43) Ethyl Acetate	4.87	43	43762	20.403	ug/l	96
44) Isopropyl Acetate	6.47	43	64879	19.722	ug/l	95
45) 1,4-Dioxane	7.76	88	12161	332.861	ug/l #	88
46) Methyl methacrylate	7.78	41	29218	17.215	ug/l	96
47) n-amyl Acetate	10.90	43	51070	16.443	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	36344	16.594	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	33401	16.254	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	24429	16.289	ug/l	97
51) Ethyl methacrylate	9.18	69	35478	15.711	ug/l	92
52) 1,3-Dichloropropane	9.38	76	41157	16.490	ug/l	100
53) Dibromochloromethane	9.59	129	24665	16.743	ug/l	99
54) 1,2-Dibromoethane	9.68	107	26320	16.782	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	96238	82.626	ug/l	100
56) Bromoform	10.86	173	17924	15.679	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	197489	107.355	ug/l	97
59) 2-Hexanone	9.50	43	151891	103.698	ug/l	96
61) Tetrachloroethene	9.34	164	22104	19.495	ug/l	97
62) Toluene	8.79	91	102735	20.317	ug/l	99
64) Chlorobenzene	10.14	112	65698	20.105	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22988	19.881	ug/l	98
66) Ethyl Benzene	10.26	91	110335	19.828	ug/l	99
67) m/p-Xylenes	10.36	106	85804	40.034	ug/l	99
68) o-Xylene	10.70	106	41414	20.198	ug/l	98
69) Styrene	10.71	104	69227	19.939	ug/l	98
70) Isopropylbenzene	11.02	105	111781	19.800	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	39678	19.689	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	34506m	20.583	ug/l	
73) Bromobenzene	11.26	156	29025	19.078	ug/l	99
74) n-propylbenzene	11.36	91	131852	19.829	ug/l	99
75) 2-Chlorotoluene	11.42	91	78461	20.020	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	94154	19.656	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	10381	18.172	ug/l	93
78) 4-Chlorotoluene	11.51	91	89946	19.615	ug/l	99
79) tert-butylbenzene	12.07	119	101681	20.631	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	109174	22.270	ug/l	99
81) sec-Butylbenzene	11.95	105	122900	22.031	ug/l	98
82) p-Isopropyltoluene	12.07	119	101681	20.631	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	55349	19.921	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	57735	20.639	ug/l	100
85) n-Butylbenzene	12.39	91	92272	21.092	ug/l	99
86) Hexachloroethane	12.60	117	15088	18.997	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	60638	21.740	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	8278	19.461	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	37702	19.251	ug/l	100
90) Hexachlorobutadiene	13.79	225	17279	19.464	ug/l	99
91) Naphthalene	13.84	128	120320	20.103	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	40562	20.339	ug/l	100

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

