

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001626.D
 Acq On : 11 May 2018 03:02
 Operator : JC/MD
 Sample : VX0510WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0510WBSD01

Manual Integrations
 APPROVED

apatel
 5/14/2018 3:57:50 PM

Quant Time: May 11 07:36:38 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	55695	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	280553	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	251917	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	122349	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	11.15	95	118445	29.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.03%
63) Toluene-d8	8.72	98	340747	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	53478	19.70	ug/l	99
3) Chloromethane	1.32	50	64701	21.53	ug/l	99
4) Vinyl Chloride	1.40	62	66803	21.29	ug/l	100
5) Bromomethane	1.64	94	45330	29.23	ug/l	98
6) Chloroethane	1.73	64	43852	20.99	ug/l	94
7) Trichlorofluoromethane	1.93	101	91205	20.23	ug/l	99
8) Diethyl Ether	2.19	74	41732	21.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46566	18.59	ug/l	98
10) 1,1-Dichloroethene	2.37	96	52739	20.46	ug/l	99
11) Methyl Iodide	2.51	142	69501	18.56	ug/l	98
12) Methyl Acetate	2.78	43	93076	21.24	ug/l	100
13) Acrolein	2.30	56	48713	98.02	ug/l	99
14) Acrylonitrile	3.15	53	187864	107.30	ug/l	99
15) Acetone	2.45	58	51629	109.76	ug/l	98
16) Carbon Disulfide	2.57	76	128236	20.08	ug/l	98
17) Allyl chloride	2.73	41	101630	20.67	ug/l	99
18) Methylene Chloride	2.86	84	64538	21.21	ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	57861	20.68	ug/l	98
20) Diisopropyl ether	3.88	45	196373	21.38	ug/l	99
21) 1,1-Dichloroethane	3.70	63	110345	20.89	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	66206	20.99	ug/l	100
23) tert-Butyl Alcohol	3.08	59	84313	108.24	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	199841	21.34	ug/l	100
25) Chloroform	5.22	83	113646	20.88	ug/l	94
26) Cyclohexane	5.58	56	69217	17.96	ug/l	# 99
29) 1,1-Dichloropropene	5.81	75	70816	20.09	ug/l	99
30) 2-Butanone	4.71	43	256188	110.15	ug/l	100
31) 2,2-Dichloropropane	4.59	77	55549	18.33	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	94114	20.99	ug/l	98
33) Carbon Tetrachloride	5.79	117	78821	19.96	ug/l	98
34) Benzene	6.15	78	243841	21.64	ug/l	99
35) Methacrylonitrile	5.07	41	54635	21.66	ug/l	93
36) 1,2-Dichloroethane	6.20	62	98327	22.06	ug/l	99
37) Trichloroethene	7.22	130	69307	20.87	ug/l	99
38) Methylcyclohexane	7.46	83	65532	17.39	ug/l	99
39) 1,2-Dichloropropane	7.52	63	60930	21.57	ug/l	99
40) Dibromomethane	7.67	93	44098	21.78	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	80659	21.18	ug/l	98
42) Vinyl Acetate	3.83	43	831859	108.44	ug/l	99
43) Ethyl Acetate	4.87	43	97600	22.01	ug/l	97
44) Isopropyl Acetate	6.48	43	145852	21.49	ug/l	100
45) 1,4-Dioxane	7.76	88	35155	441.67	ug/l	98
46) Methyl methacrylate	7.79	41	79025	21.56	ug/l	95
47) n-amyl Acetate	10.91	43	118947	20.52	ug/l	99
48) t-1,3-Dichloropropene	8.44	75	86625	20.61	ug/l	94
49) cis-1,3-Dichloropropene	9.05	75	75720	20.38	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	65674	21.91	ug/l	98
51) Ethyl methacrylate	9.19	69	92039	21.30	ug/l	99
52) 1,3-Dichloropropane	9.38	76	106329	21.53	ug/l	99
53) Dibromochloromethane	9.59	129	63917	20.53	ug/l	99
54) 1,2-Dibromoethane	9.68	107	67299	21.28	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	249498	108.58	ug/l	99
56) Bromoform	10.87	173	51045	20.05	ug/l	98
58) 4-Methyl-2-Pentanone	8.66	43	503474	111.11	ug/l	100
59) 2-Hexanone	9.51	43	373257	109.95	ug/l	100
61) Tetrachloroethene	9.34	164	73846	20.15	ug/l	98
62) Toluene	8.79	91	258431	21.33	ug/l	99
64) Chlorobenzene	10.15	112	167360	21.02	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	63825	21.21	ug/l	100
66) Ethyl Benzene	10.26	91	258523	20.56	ug/l	98
67) m/p-Xylenes	10.37	106	203243	40.47	ug/l	99
68) o-Xylene	10.71	106	102199	20.57	ug/l	99
69) Styrene	10.72	104	169997	20.74	ug/l	99
70) Isopropylbenzene	11.02	105	253387	19.80	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	91693	21.36	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	89070m	21.41	ug/l	
73) Bromobenzene	11.26	156	81053	20.90	ug/l	99
74) n-propylbenzene	11.37	91	273656	19.42	ug/l	100
75) 2-Chlorotoluene	11.43	91	180233	20.40	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	213968	19.86	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	19647	18.37	ug/l	98
78) 4-Chlorotoluene	11.52	91	203251	20.23	ug/l	100
79) tert-butylbenzene	12.07	119	218021	19.13	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	222051	20.19	ug/l	100
81) sec-Butylbenzene	11.95	105	232260	18.62	ug/l	100
82) p-Isopropyltoluene	12.07	119	218021	19.13	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	135477	20.03	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	137962	20.29	ug/l	99
85) n-Butylbenzene	12.40	91	161064	17.77	ug/l	99
86) Hexachloroethane	12.60	117	32853	18.17	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	144716	20.64	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	20800	20.80	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	98379	19.75	ug/l	99
90) Hexachlorobutadiene	13.79	225	45380	17.80	ug/l	97
91) Naphthalene	13.84	128	314233	21.06	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	108058	20.51	ug/l	99

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

