

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016115.D
 Acq On : 08 May 2020 12:56
 Operator : JC/SP
 Sample : VX0508WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Quant Time: May 09 02:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50985	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	288532	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	262410	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	112672	28.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.83%
60) 4-Bromofluorobenzene	11.12	95	130401	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	8.70	98	350177	31.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	71935	20.484	ug/l 100
3) Chloromethane	1.31	50	67542	19.630	ug/l 100
4) Vinyl Chloride	1.39	62	72826	18.629	ug/l 100
5) Bromomethane	1.63	94	46035	19.212	ug/l 97
6) Chloroethane	1.72	64	44670	17.430	ug/l 100
7) Trichlorofluoromethane	1.92	101	94074	16.801	ug/l 96
8) Diethyl Ether	2.17	74	36955	16.535	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	55694	19.260	ug/l 98
10) 1,1-Dichloroethene	2.36	96	54824	18.792	ug/l 99
11) Methyl Iodide	2.49	142	68213	17.127	ug/l 99
12) Methyl Acetate	2.75	43	98703	19.377	ug/l 99
13) Acrolein	2.27	56	30783	75.385	ug/l 99
14) Acrylonitrile	3.11	53	181603	96.520	ug/l 98
15) Acetone	2.42	58	49291	98.990	ug/l 88
16) Carbon Disulfide	2.55	76	167398	18.861	ug/l 98
17) Allyl chloride	2.71	41	100311	18.535	ug/l 92
18) Methylene Chloride	2.84	84	63169	19.328	ug/l 92
19) trans-1,2-Dichloroethene	3.14	96	61869	19.389	ug/l 98
20) Diisopropyl ether	3.82	45	196061	18.789	ug/l 98
21) 1,1-Dichloroethane	3.67	63	110288	18.955	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	68030	18.787	ug/l 98
23) tert-Butyl Alcohol	3.01	59	84307	91.537	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	194811	18.594	ug/l 94
25) Chloroform	5.18	83	109201	18.479	ug/l 95
26) Cyclohexane	5.55	56	102459	19.257	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	84419	18.603	ug/l 99
30) 2-Butanone	4.63	43	246000	90.977	ug/l 98
31) 2,2-Dichloropropane	4.55	77	99525	18.224	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	99987	18.163	ug/l 98
33) Carbon Tetrachloride	5.76	117	87158	17.782	ug/l 100
34) Benzene	6.11	78	252146	19.023	ug/l 99
35) Methacrylonitrile	5.00	41	52055	18.128	ug/l 96
36) 1,2-Dichloroethane	6.17	62	88051	17.395	ug/l 99
37) Trichloroethene	7.19	130	88585	18.787	ug/l 100
38) Methylcyclohexane	7.44	83	105860	19.089	ug/l 99
39) 1,2-Dichloropropane	7.49	63	65007	19.106	ug/l 97
40) Dibromomethane	7.64	93	43003	18.201	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	87932	18.054	ug/l	98
42) Vinyl Acetate	3.78	43	797837	89.186	ug/l	99
43) Ethyl Acetate	4.79	43	95667	17.936	ug/l	99
44) Isopropyl Acetate	6.41	43	155820	18.002	ug/l	98
45) 1,4-Dioxane	7.71	88	33646	368.003	ug/l	99
46) Methyl methacrylate	7.74	41	72369	17.636	ug/l	94
47) n-amyl Acetate	10.88	43	126888	16.765	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	102591	18.139	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	108357	18.543	ug/l	93
50) 1,1,2-Trichloroethane	9.20	97	62081	18.647	ug/l	98
51) Ethyl methacrylate	9.16	69	98824	17.975	ug/l	93
52) 1,3-Dichloropropane	9.35	76	107357	18.653	ug/l	99
53) Dibromochloromethane	9.57	129	66945	17.674	ug/l	100
54) 1,2-Dibromoethane	9.65	107	65068	17.782	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	269586	90.134	ug/l	100
56) Bromoform	10.84	173	48220	16.896	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	474413	91.678	ug/l	97
59) 2-Hexanone	9.47	43	363592	90.963	ug/l	97
61) Tetrachloroethene	9.32	164	98654	19.006	ug/l	89
62) Toluene	8.76	91	267487	19.080	ug/l	100
64) Chlorobenzene	10.12	112	167834	18.802	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	60969	17.992	ug/l	99
66) Ethyl Benzene	10.24	91	300233	18.807	ug/l	100
67) m/p-Xylenes	10.34	106	226037	37.169	ug/l	99
68) o-Xylene	10.68	106	106852	18.221	ug/l	99
69) Styrene	10.70	104	181767	18.110	ug/l	99
70) Isopropylbenzene	11.00	105	289161	18.263	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	49884	16.948	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	90195m	18.920	ug/l	
73) Bromobenzene	11.24	156	72037	18.055	ug/l	98
74) n-propylbenzene	11.34	91	339272	18.448	ug/l	100
75) 2-Chlorotoluene	11.40	91	196966	18.226	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	247180	18.392	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	36228	17.674	ug/l	92
78) 4-Chlorotoluene	11.49	91	233973	18.290	ug/l	100
79) tert-butylbenzene	11.76	119	208390	18.155	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	245830	18.309	ug/l	100
81) sec-Butylbenzene	11.93	105	285683	18.453	ug/l	99
82) p-Isopropyltoluene	12.05	119	263986	18.401	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	129675	18.027	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	132700	18.565	ug/l	99
85) n-Butylbenzene	12.37	91	235740	17.989	ug/l	99
86) Hexachloroethane	12.58	117	43638	17.278	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	127108	18.270	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20898	16.968	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	92369	18.026	ug/l	99
90) Hexachlorobutadiene	13.77	225	42849	19.456	ug/l	97
91) Naphthalene	13.82	128	297266	18.221	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	92263	18.742	ug/l	97

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

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