

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016116.D
 Acq On : 08 May 2020 13:25
 Operator : JC/SP
 Sample : VX0508WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Quant Time: May 09 02:46:16 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	4.98	128	50046	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	278284	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	252969	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	111634	29.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.73%
60) 4-Bromofluorobenzene	11.12	95	126510	29.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.40%
63) Toluene-d8	8.70	98	335007	30.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	68872	19.980	ug/l 97
3) Chloromethane	1.31	50	65356	19.351	ug/l 100
4) Vinyl Chloride	1.39	62	69274	18.053	ug/l 100
5) Bromomethane	1.63	94	44288	18.830	ug/l 100
6) Chloroethane	1.72	64	41906	16.658	ug/l 95
7) Trichlorofluoromethane	1.92	101	89216	16.232	ug/l 99
8) Diethyl Ether	2.17	74	36156	16.481	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51935	18.297	ug/l 98
10) 1,1-Dichloroethene	2.36	96	51577	18.010	ug/l 97
11) Methyl Iodide	2.49	142	65617	16.784	ug/l 96
12) Methyl Acetate	2.75	43	97384	19.477	ug/l 99
13) Acrolein	2.27	56	31782	79.291	ug/l 96
14) Acrylonitrile	3.11	53	178832	96.831	ug/l 99
15) Acetone	2.42	58	48685	99.608	ug/l 87
16) Carbon Disulfide	2.55	76	158697	18.216	ug/l 98
17) Allyl chloride	2.71	41	98443	18.531	ug/l 90
18) Methylene Chloride	2.84	84	61348	19.123	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	58339	18.626	ug/l 95
20) Diisopropyl ether	3.82	45	191918	18.737	ug/l 99
21) 1,1-Dichloroethane	3.67	63	106437	18.636	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	66129	18.604	ug/l 96
23) tert-Butyl Alcohol	3.01	59	84131	93.060	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	193515	18.817	ug/l 95
25) Chloroform	5.18	83	105649	18.214	ug/l 95
26) Cyclohexane	5.55	56	97083	18.589	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	80817	18.465	ug/l 98
30) 2-Butanone	4.63	43	246098	94.365	ug/l 98
31) 2,2-Dichloropropane	4.55	77	93453	17.742	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	93569	17.623	ug/l 98
33) Carbon Tetrachloride	5.76	117	83316	17.624	ug/l 99
34) Benzene	6.11	78	240527	18.815	ug/l 100
35) Methacrylonitrile	5.00	41	51050	18.432	ug/l 93
36) 1,2-Dichloroethane	6.16	62	87656	17.955	ug/l 99
37) Trichloroethene	7.19	130	86123	18.937	ug/l 98
38) Methylcyclohexane	7.44	83	100612	18.811	ug/l 98
39) 1,2-Dichloropropane	7.49	63	63308	19.292	ug/l 98
40) Dibromomethane	7.64	93	41908	18.391	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	84517	17.992	ug/l	99
42) Vinyl Acetate	3.78	43	782844	90.733	ug/l	99
43) Ethyl Acetate	4.79	43	92553	17.991	ug/l	100
44) Isopropyl Acetate	6.41	43	151236	18.116	ug/l	97
45) 1,4-Dioxane	7.71	88	33921	384.673	ug/l	99
46) Methyl methacrylate	7.74	41	70712	17.867	ug/l	93
47) n-amyl Acetate	10.88	43	123972	16.983	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	100666	18.454	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	104946	18.621	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	58801	18.312	ug/l	97
51) Ethyl methacrylate	9.16	69	97824	18.449	ug/l	92
52) 1,3-Dichloropropane	9.35	76	105860	19.071	ug/l	99
53) Dibromochloromethane	9.57	129	65514	17.933	ug/l	99
54) 1,2-Dibromoethane	9.65	107	65563	18.578	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	266083	92.239	ug/l	100
56) Bromoform	10.84	173	48780	17.721	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	472383	94.692	ug/l	98
59) 2-Hexanone	9.47	43	356496	92.517	ug/l	96
61) Tetrachloroethene	9.32	164	97747	19.534	ug/l	97
62) Toluene	8.76	91	256622	18.989	ug/l	100
64) Chlorobenzene	10.12	112	160859	18.693	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	59984	18.362	ug/l	99
66) Ethyl Benzene	10.24	91	287843	18.704	ug/l	100
67) m/p-Xylenes	10.34	106	216031	36.850	ug/l	99
68) o-Xylene	10.68	106	104305	18.450	ug/l	98
69) Styrene	10.70	104	174998	18.086	ug/l	99
70) Isopropylbenzene	11.00	105	280753	18.394	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	49916	17.592	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	87386m	19.015	ug/l	
73) Bromobenzene	11.24	156	70674	18.375	ug/l	98
74) n-propylbenzene	11.34	91	325401	18.354	ug/l	99
75) 2-Chlorotoluene	11.41	91	191702	18.401	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	234355	18.088	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	35629	18.030	ug/l	95
78) 4-Chlorotoluene	11.49	91	223982	18.163	ug/l	99
79) tert-butylbenzene	11.76	119	199080	17.991	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	237133	18.320	ug/l	100
81) sec-Butylbenzene	11.93	105	273036	18.295	ug/l	100
82) p-Isopropyltoluene	12.05	119	255874	18.501	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	128413	18.518	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	128498	18.648	ug/l	99
85) n-Butylbenzene	12.37	91	227086	17.975	ug/l	99
86) Hexachloroethane	12.58	117	42480	17.448	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	124234	18.524	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	20861	17.570	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	91385	18.499	ug/l	99
90) Hexachlorobutadiene	13.77	225	40391	19.025	ug/l	96
91) Naphthalene	13.82	128	294006	18.694	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	90676	19.107	ug/l	97

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

