

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017330.D
 Acq On : 10 Jul 2020 13:06
 Operator : JC/SP
 Sample : VX0710WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBSD01

Quant Time: Jul 11 00:50:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	52463	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	264404	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	250946	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114122	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	11.12	95	125627	29.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.80%
63) Toluene-d8	8.70	98	324405	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	41364	18.037	ug/l 95
3) Chloromethane	1.31	50	42979	17.591	ug/l 99
4) Vinyl Chloride	1.39	62	44021	17.486	ug/l 99
5) Bromomethane	1.64	94	32526	19.384	ug/l 97
6) Chloroethane	1.71	64	29695	17.839	ug/l 98
7) Trichlorofluoromethane	1.92	101	83089	18.580	ug/l 99
8) Diethyl Ether	2.17	74	27292	17.202	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48149	19.691	ug/l 98
10) 1,1-Dichloroethene	2.36	96	43171	17.907	ug/l 98
11) Methyl Iodide	2.49	142	49299	17.366	ug/l 97
12) Methyl Acetate	2.75	43	61909	18.430	ug/l 95
13) Acrolein	2.27	56	41264	94.990	ug/l 95
14) Acrylonitrile	3.12	53	137611	90.794	ug/l 100
15) Acetone	2.42	58	34955	91.447	ug/l 95
16) Carbon Disulfide	2.55	76	119421	18.263	ug/l 98
17) Allyl chloride	2.71	41	78671	17.541	ug/l 96
18) Methylene Chloride	2.84	84	53088	17.879	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	49899	17.702	ug/l 92
20) Diisopropyl ether	3.82	45	166213	18.536	ug/l 97
21) 1,1-Dichloroethane	3.67	63	92577	18.420	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	57099	17.756	ug/l 95
23) tert-Butyl Alcohol	3.01	59	54657	87.394	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	167617	18.211	ug/l 99
25) Chloroform	5.18	83	98293	18.355	ug/l 99
26) Cyclohexane	5.55	56	72224	18.445	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	68920	18.902	ug/l 98
30) 2-Butanone	4.64	43	186405	93.467	ug/l 99
31) 2,2-Dichloropropane	4.55	77	83816	18.349	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	90832	19.135	ug/l 98
33) Carbon Tetrachloride	5.75	117	82364	18.815	ug/l 94
34) Benzene	6.12	78	202764	18.689	ug/l 99
35) Methacrylonitrile	5.00	41	40924	18.328	ug/l 96
36) 1,2-Dichloroethane	6.16	62	81673	19.115	ug/l 99
37) Trichloroethene	7.19	130	60846	18.646	ug/l 100
38) Methylcyclohexane	7.44	83	73943	19.245	ug/l 99
39) 1,2-Dichloropropane	7.49	63	51863	18.294	ug/l 92
40) Dibromomethane	7.64	93	38492	18.847	ug/l 99

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Quant Time: Jul 11 00:50:30 2020
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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	80818	18.961	ug/l	92
42) Vinyl Acetate	3.78	43	715497	93.879	ug/l	100
43) Ethyl Acetate	4.79	43	74715	19.046	ug/l	99
44) Isopropyl Acetate	6.41	43	118841	18.208	ug/l	98
45) 1,4-Dioxane	7.71	88	21514	345.805	ug/l	95
46) Methyl methacrylate	7.74	41	56543	17.783	ug/l	99
47) n-amyl Acetate	10.88	43	98409	17.028	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	84207	17.896	ug/l	98
49) cis-1,3-Dichloropropene	8.41	75	90354	18.351	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	55825	18.451	ug/l	98
51) Ethyl methacrylate	9.16	69	76645	17.387	ug/l	97
52) 1,3-Dichloropropane	9.35	76	92520	18.772	ug/l	100
53) Dibromochloromethane	9.57	129	67121	18.173	ug/l	97
54) 1,2-Dibromoethane	9.65	107	59790	18.481	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	217912	103.436	ug/l	100
56) Bromoform	10.84	173	50882	17.660	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	374297	94.133	ug/l	100
59) 2-Hexanone	9.47	43	275480	90.883	ug/l	99
61) Tetrachloroethene	9.32	164	61454	19.224	ug/l	95
62) Toluene	8.76	91	224503	18.898	ug/l	100
64) Chlorobenzene	10.12	112	144991	18.293	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	59293	18.309	ug/l	98
66) Ethyl Benzene	10.23	91	243741	18.232	ug/l	100
67) m/p-Xylenes	10.34	106	191908	37.157	ug/l	99
68) o-Xylene	10.68	106	90791	18.499	ug/l	95
69) Styrene	10.70	104	155617	17.879	ug/l	99
70) Isopropylbenzene	11.00	105	246898	18.339	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	79496	18.828	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	78417m	18.907	ug/l	
73) Bromobenzene	11.24	156	69202	18.295	ug/l	98
74) n-propylbenzene	11.34	91	284432	18.237	ug/l	99
75) 2-Chlorotoluene	11.40	91	173634	18.262	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	214157	18.541	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	27784	17.568	ug/l	90
78) 4-Chlorotoluene	11.49	91	207178	18.381	ug/l	100
79) tert-butylbenzene	11.76	119	203481	18.155	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	215489	18.492	ug/l	99
81) sec-Butylbenzene	11.93	105	240419	18.610	ug/l	100
82) p-Isopropyltoluene	12.05	119	224079	18.343	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	125564	18.445	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	124413	18.062	ug/l	99
85) n-Butylbenzene	12.37	91	190238	18.430	ug/l	99
86) Hexachloroethane	12.58	117	43299	18.322	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	120586	18.525	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	18940	18.514	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	80042	18.130	ug/l	98
90) Hexachlorobutadiene	13.76	225	35474	20.031	ug/l	97
91) Naphthalene	13.82	128	238674	17.633	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	77950	17.752	ug/l	97

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

