

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX07143.D
 Acq On : 02 Jul 2020 13:16
 Operator : JC/SP
 Sample : VX0702WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBS01

Quant Time: Jul 03 01:17:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	42628	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	223026	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	208599	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93448	28.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.87%
60) 4-Bromofluorobenzene	11.12	95	104120	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	8.70	98	274806	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43974	21.214	ug/l 95
3) Chloromethane	1.31	50	44792	15.934	ug/l 99
4) Vinyl Chloride	1.39	62	44741	15.607	ug/l 92
5) Bromomethane	1.63	94	30519	14.786	ug/l 99
6) Chloroethane	1.72	64	28400	15.361	ug/l 95
7) Trichlorofluoromethane	1.92	101	76988	16.514	ug/l 98
8) Diethyl Ether	2.17	74	26134	15.406	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43700	17.661	ug/l 91
10) 1,1-Dichloroethene	2.36	96	42278	17.325	ug/l 91
11) Methyl Iodide	2.49	142	51935	15.939	ug/l 94
12) Methyl Acetate	2.75	43	54380	17.666	ug/l 97
13) Acrolein	2.27	56	40398	83.171	ug/l 99
14) Acrylonitrile	3.12	53	123643	84.807	ug/l 98
15) Acetone	2.42	58	31821	84.339	ug/l 91
16) Carbon Disulfide	2.55	76	122112	15.917	ug/l 98
17) Allyl chloride	2.71	41	75931	16.621	ug/l 96
18) Methylene Chloride	2.83	84	50030	17.021	ug/l 93
19) trans-1,2-Dichloroethene	3.14	96	49356	17.850	ug/l 100
20) Diisopropyl ether	3.82	45	154661	16.940	ug/l 97
21) 1,1-Dichloroethane	3.67	63	86610	17.204	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	54504	17.705	ug/l 95
23) tert-Butyl Alcohol	3.01	59	53924	83.497	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	150411	17.262	ug/l 99
25) Chloroform	5.18	83	90726	17.775	ug/l 95
26) Cyclohexane	5.55	56	70506	16.055	ug/l # 94
29) 1,1-Dichloropropene	5.77	75	64457	17.741	ug/l 99
30) 2-Butanone	4.64	43	169252	89.373	ug/l 99
31) 2,2-Dichloropropane	4.56	77	78532	18.847	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	83626	19.022	ug/l 97
33) Carbon Tetrachloride	5.76	117	75724	19.423	ug/l 100
34) Benzene	6.11	78	193120	18.255	ug/l 97
35) Methacrylonitrile	5.01	41	37207	17.802	ug/l 95
36) 1,2-Dichloroethane	6.17	62	74349	18.350	ug/l 99
37) Trichloroethene	7.19	130	57319	19.856	ug/l 84
38) Methylcyclohexane	7.44	83	72119	17.430	ug/l 99
39) 1,2-Dichloropropane	7.49	63	50198	18.213	ug/l 91
40) Dibromomethane	7.64	93	35681	18.784	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	71813	18.257	ug/l	92
42) Vinyl Acetate	3.79	43	668143	87.551	ug/l	99
43) Ethyl Acetate	4.79	43	68690	17.511	ug/l	99
44) Isopropyl Acetate	6.41	43	109156	16.882	ug/l	98
45) 1,4-Dioxane	7.71	88	23069	353.655	ug/l	99
46) Methyl methacrylate	7.74	41	54511	18.218	ug/l	91
47) n-amyl Acetate	10.88	43	92472	16.180	ug/l	94
48) t-1,3-Dichloropropene	9.02	75	76861	17.673	ug/l	93
49) cis-1,3-Dichloropropene	8.42	75	83368	18.240	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	50717	19.131	ug/l	94
51) Ethyl methacrylate	9.16	69	70802	17.403	ug/l	93
52) 1,3-Dichloropropane	9.35	76	84178	18.495	ug/l	97
53) Dibromochloromethane	9.56	129	60053	19.709	ug/l	99
54) 1,2-Dibromoethane	9.65	107	54021	19.204	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	192052	89.705	ug/l	98
56) Bromoform	10.84	173	44593	20.617	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	345581	89.938	ug/l	98
59) 2-Hexanone	9.47	43	252388	88.011	ug/l	97
61) Tetrachloroethene	9.32	164	55853	20.995	ug/l	95
62) Toluene	8.76	91	211579	18.544	ug/l	99
64) Chlorobenzene	10.12	112	132661	18.559	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	54282	20.172	ug/l	97
66) Ethyl Benzene	10.24	91	223182	17.640	ug/l	98
67) m/p-Xylenes	10.34	106	176903	37.064	ug/l	98
68) o-Xylene	10.68	106	81594	17.797	ug/l	98
69) Styrene	10.70	104	142978	18.213	ug/l	98
70) Isopropylbenzene	11.00	105	229249	18.435	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	72154	18.893	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	71950m	19.618	ug/l	
73) Bromobenzene	11.24	156	62374	19.875	ug/l	95
74) n-propylbenzene	11.34	91	260493	17.643	ug/l	98
75) 2-Chlorotoluene	11.40	91	162376	18.859	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	196023	18.780	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	25627	17.242	ug/l	97
78) 4-Chlorotoluene	11.49	91	188975	18.537	ug/l	99
79) tert-butylbenzene	11.76	119	186641	18.666	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	193557	18.471	ug/l	97
81) sec-Butylbenzene	11.93	105	218113	18.016	ug/l	100
82) p-Isopropyltoluene	12.05	119	205703	18.818	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	113729	20.222	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	113558	20.096	ug/l	99
85) n-Butylbenzene	12.37	91	171996	16.999	ug/l	99
86) Hexachloroethane	12.58	117	39905	18.654	ug/l	89
87) 1,2-Dichlorobenzene	12.38	146	106318	20.197	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	16444	18.925	ug/l	90
89) 1,2,4-Trichlorobenzene	13.63	180	69535	19.579	ug/l	97
90) Hexachlorobutadiene	13.77	225	29270	21.665	ug/l	98
91) Naphthalene	13.82	128	214871	18.458	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	69161	19.955	ug/l	97

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

