

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032520\
 Data File : VX015349.D
 Acq On : 25 Mar 2020 19:16
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:01:19 AM

Quant Time: Mar 26 02:28:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:14:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	189106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1084332	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	991304	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	440001	33.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	112.27%
60) 4-Bromofluorobenzene	11.12	95	508737	31.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.57%
63) Toluene-d8	8.70	98	1250699	29.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	879557	94.444	ug/l 100
3) Chloromethane	1.31	50	1143167	88.409	ug/l 100
4) Vinyl Chloride	1.39	62	1083650	82.598	ug/l 99
5) Bromomethane	1.62	94	429785	49.894	ug/l 100
6) Chloroethane	1.70	64	667740	80.829	ug/l 97
7) Trichlorofluoromethane	1.91	101	1540017	90.206	ug/l 97
8) Diethyl Ether	2.17	74	604261	81.785	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1015427	95.146	ug/l 98
10) 1,1-Dichloroethene	2.36	96	1036174	96.258	ug/l 98
11) Methyl Iodide	2.49	142	1601341	134.813	ug/l 96
12) Methyl Acetate	2.75	43	1515727	109.427	ug/l 97
13) Acrolein	2.27	56	1025025	485.328	ug/l 94
14) Acrylonitrile	3.12	53	3250805	510.571	ug/l 99
15) Acetone	2.42	58	831269	473.254	ug/l 90
16) Carbon Disulfide	2.55	76	3051205	98.731	ug/l 100
17) Allyl chloride	2.71	41	2313998	110.133	ug/l 98
18) Methylene Chloride	2.84	84	1155112	94.009	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	1120044	94.788	ug/l 99
20) Diisopropyl ether	3.83	45	4143496	101.231	ug/l 96
21) 1,1-Dichloroethane	3.67	63	2159098	100.328	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	1308651	98.711	ug/l 98
23) tert-Butyl Alcohol	3.02	59	1559795	591.994	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	3815001	105.286	ug/l 100
25) Chloroform	5.18	83	2105434	103.349	ug/l 97
26) Cyclohexane	5.55	56	2019462	101.148	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	1628755	98.494	ug/l 99
30) 2-Butanone	4.64	43	4821231	531.733	ug/l 100
31) 2,2-Dichloropropane	4.55	77	1926086	108.559	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	1989691	108.047	ug/l 99
33) Carbon Tetrachloride	5.76	117	1803060	112.734	ug/l 100
34) Benzene	6.12	78	4675728	94.354	ug/l 99
35) Methacrylonitrile	5.01	41	1104548	110.566	ug/l 95
36) 1,2-Dichloroethane	6.17	62	1830683	107.431	ug/l 99
37) Trichloroethene	7.19	130	1319599	95.221	ug/l 96
38) Methylcyclohexane	7.44	83	2024079	99.239	ug/l 99
39) 1,2-Dichloropropane	7.50	63	1260549	96.913	ug/l 96
40) Dibromomethane	7.64	93	834206	100.312	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	1804770	106.946	ug/l	99
42) Vinyl Acetate	3.79	43	17880369	495.131	ug/l	99
43) Ethyl Acetate	4.80	43	1944133	110.773	ug/l	98
44) Isopropyl Acetate	6.42	43	3390404	114.363	ug/l	98
45) 1,4-Dioxane	7.72	88	622664	2131.988	ug/l	97
46) Methyl methacrylate	7.75	41	1712117	115.933	ug/l	99
47) n-amyl Acetate	10.89	43	2987816	113.214	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	2114156	113.698	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	2174218	105.597	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	1196065	97.731	ug/l	98
51) Ethyl methacrylate	9.16	69	2086439	107.129	ug/l	98
52) 1,3-Dichloropropane	9.36	76	2070243	99.402	ug/l	99
53) Dibromochloromethane	9.57	129	1483737	110.115	ug/l	99
54) 1,2-Dibromoethane	9.65	107	1296288	101.932	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	4832503	497.488	ug/l	99
56) Bromoform	10.84	173	1230561	116.324	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	9133261	520.031	ug/l	98
59) 2-Hexanone	9.48	43	7034793	530.532	ug/l	97
61) Tetrachloroethene	9.32	164	1244027	91.246	ug/l	98
62) Toluene	8.77	91	5001968	95.247	ug/l	98
64) Chlorobenzene	10.12	112	3243933	97.856	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	1308569	105.168	ug/l	100
66) Ethyl Benzene	10.24	91	5706171	97.731	ug/l	97
67) m/p-Xylenes	10.34	106	4329809	194.095	ug/l	93
68) o-Xylene	10.68	106	2136172	99.351	ug/l	97
69) Styrene	10.70	104	3718192	99.450	ug/l	99
70) Isopropylbenzene	11.00	105	5619814	98.445	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	1809638	97.766	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	1688438m	108.608	ug/l	
73) Bromobenzene	11.24	156	1538679	99.436	ug/l	96
74) n-propylbenzene	11.35	91	6437279	95.270	ug/l	98
75) 2-Chlorotoluene	11.41	91	3918128	98.752	ug/l	97
76) 1,3,5-Trimethylbenzene	11.50	105	4821851	98.353	ug/l	98
77) t-1,4-Dichloro-2-butene	11.06	75	746800	112.558	ug/l	100
78) 4-Chlorotoluene	11.50	91	4548980	99.697	ug/l	98
79) tert-butylbenzene	11.76	119	4812346	102.522	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	4887962	99.565	ug/l	98
81) sec-Butylbenzene	11.93	105	5563669	96.912	ug/l	99
82) p-Isopropyltoluene	12.05	119	5246977	99.375	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	2765879	100.090	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	2778600	100.197	ug/l	99
85) n-Butylbenzene	12.37	91	4733191	101.722	ug/l	98
86) Hexachloroethane	12.58	117	1029853	109.154	ug/l	94
87) 1,2-Dichlorobenzene	12.38	146	2679032	99.184	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	486146	119.221	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	2274103	112.569	ug/l	98
90) Hexachlorobutadiene	13.77	225	1236113	119.810	ug/l	99
91) Naphthalene	13.82	128	6323362	110.507	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	2258811	111.054	ug/l	99

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

