

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027095.D
 Acq On : 17 Feb 2022 23:08
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 18 04:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 04:52:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/18/2022
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	14404	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	78422	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	68596	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	31120	28.237	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.133%
60) 4-Bromofluorobenzene	11.085	95	33517	29.704	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.000%
63) Toluene-d8	8.653	98	90790	29.466	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	82621	95.851	ug/l	95
3) Chloromethane	1.295	50	76609	81.587	ug/l	100
4) Vinyl Chloride	1.374	62	77034	82.018	ug/l	98
5) Bromomethane	1.599	94	30356	56.442	ug/l	92
6) Chloroethane	1.679	64	44829	76.289	ug/l	97
7) Trichlorofluoromethane	1.886	101	119981	79.623	ug/l	97
8) Diethyl Ether	2.136	74	42323	78.599	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	83681	95.485	ug/l	100
10) 1,1-Dichloroethene	2.319	96	83324	97.852	ug/l	99
11) Methyl Iodide	2.453	142	118617	100.582	ug/l	99
12) Methyl Acetate	2.709	43	117752	93.300	ug/l	99
13) Acrolein	2.240	56	99448	675.001	ug/l	99
14) Acrylonitrile	3.069	53	259356	464.422	ug/l	100
15) Acetone	2.386	58	69226	429.861	ug/l	94
16) Carbon Disulfide	2.514	76	221775	104.194	ug/l	100
17) Allyl chloride	2.666	41	150336	96.493	ug/l	94
18) Methylene Chloride	2.794	84	90365	91.175	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	89121	97.654	ug/l	97
20) Diisopropyl ether	3.770	45	285273	91.573	ug/l	94
21) 1,1-Dichloroethane	3.617	63	161964	95.119	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	103004	97.316	ug/l	98
23) tert-Butyl Alcohol	2.977	59	102408	418.442	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	285114	95.798	ug/l	100
25) Chloroform	5.105	83	163911	93.749	ug/l	95
26) Cyclohexane	5.477	56	150871	97.221	ug/l #	100
29) 1,1-Dichloropropene	5.702	75	124630	99.603	ug/l	99
30) 2-Butanone	4.562	43	362022	447.092	ug/l	99
31) 2,2-Dichloropropane	4.483	77	112485	84.439	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	147933	98.919	ug/l	99
33) Carbon Tetrachloride	5.684	117	132459	101.690	ug/l	97
34) Benzene	6.044	78	361537	97.044	ug/l	99
35) Methacrylonitrile	4.928	41	77119	93.037	ug/l	98
36) 1,2-Dichloroethane	6.092	62	129014	91.517	ug/l	99
37) Trichloroethene	7.129	130	107742	104.311	ug/l	94
38) Methylcyclohexane	7.385	83	155182	98.260	ug/l	99
39) 1,2-Dichloropropane	7.434	63	91333	94.234	ug/l	99
40) Dibromomethane	7.586	93	64891	94.371	ug/l	99
41) Bromodichloromethane	7.824	83	125848	99.497	ug/l	99
42) Vinyl Acetate	3.727	43	1267863	473.272	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	140913	92.455	ug/l	100
44) Isopropyl Acetate	6.349	43	221835	91.849	ug/l	100
45) 1,4-Dioxane	7.665	88	43716	1761.530	ug/l	97
46) Methyl methacrylate	7.696	41	108212	92.534	ug/l	98
47) n-amyl Acetate	10.848	43	181133	89.146	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	131818	92.428	ug/l	99
49) cis-1,3-Dichloropropene	8.373	75	147564	96.302	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	88898	89.239	ug/l	100
51) Ethyl methacrylate	9.122	69	144703	91.871	ug/l	97
52) 1,3-Dichloropropane	9.311	76	151634	92.611	ug/l	99
53) Dibromochloromethane	9.525	129	96717	96.287	ug/l	100
54) 1,2-Dibromoethane	9.610	107	96104	91.877	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	362685	477.641	ug/l	100
56) Bromoform	10.805	173	69491	97.546	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	680849	459.530	ug/l	99
59) 2-Hexanone	9.433	43	518869	455.512	ug/l	99
61) Tetrachloroethene	9.275	164	108740	111.676	ug/l	97
62) Toluene	8.720	91	378652	96.400	ug/l	100
64) Chlorobenzene	10.080	112	236999	96.064	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	89499	97.917	ug/l	98
66) Ethyl Benzene	10.195	91	425956	97.735	ug/l	100
67) m/p-Xylenes	10.305	106	326566	193.969	ug/l	99
68) o-Xylene	10.647	106	160214	96.513	ug/l	98
69) Styrene	10.659	104	271193	98.947	ug/l	100
70) Isopropylbenzene	10.964	105	416285	95.323	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	119258	87.450	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	120000m	93.231	ug/l	
73) Bromobenzene	11.201	156	103332	97.364	ug/l	99
74) n-propylbenzene	11.305	91	487133	96.869	ug/l	100
75) 2-Chlorotoluene	11.366	91	291518	96.290	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	352677	97.463	ug/l	100
77) t-1,4-Dichloro-2-butene	11.025	75	39178	88.394	ug/l	84
78) 4-Chlorotoluene	11.457	91	331575	96.954	ug/l	100
79) tert-butylbenzene	11.720	119	337194	96.664	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	351860	98.267	ug/l	98
81) sec-Butylbenzene	11.890	105	436176	97.118	ug/l	100
82) p-Isopropyltoluene	12.012	119	372931	100.697	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	193577	100.317	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	192992	100.618	ug/l	99
85) n-Butylbenzene	12.335	91	317769	98.263	ug/l	99
86) Hexachloroethane	12.543	117	61291	102.396	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	185944	99.457	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	31587	101.913	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	123504	106.478	ug/l	99
90) Hexachlorobutadiene	13.725	225	50679	99.490	ug/l	98
91) Naphthalene	13.780	128	428661	107.027	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	121791	104.636	ug/l	100

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

