

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029969.D
 Acq On : 08 Jul 2022 13:20
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2022
 Supervised By : Mahesh Dadoda 07/11/2022

Quant Time: Jul 08 13:43:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 08 13:27:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	29494	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	183651	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	163827	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	76179	32.124	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 107.067%		
60) 4-Bromofluorobenzene	11.085	95	99794	32.961	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 109.867%		
63) Toluene-d8	8.653	98	266288	29.970	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 99.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	320884	161.554	ug/l	99
3) Chloromethane	1.288	50	315293	149.893	ug/l	97
4) Vinyl Chloride	1.374	62	367926	155.523	ug/l	100
5) Bromomethane	1.599	94	119773	116.543	ug/l	97
6) Chloroethane	1.672	64	190839	149.414	ug/l	100
7) Trichlorofluoromethane	1.880	101	464559	154.755	ug/l	97
8) Diethyl Ether	2.136	74	195668	152.864	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	305079	149.979	ug/l	96
10) 1,1-Dichloroethene	2.312	96	321172	155.836	ug/l	96
11) Methyl Iodide	2.447	142	370146	240.958	ug/l	90
12) Methyl Acetate	2.709	43	524978	156.555	ug/l	95
13) Acrolein	2.239	56	316605	809.338	ug/l	99
14) Acrylonitrile	3.068	53	1128202	781.451	ug/l	98
15) Acetone	2.386	58	305241	777.541	ug/l	86
16) Carbon Disulfide	2.508	76	861454	161.271	ug/l	98
17) Allyl chloride	2.660	41	572486	158.095	ug/l	94
18) Methylene Chloride	2.788	84	361973	149.485	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	342628	152.525	ug/l	94
20) Diisopropyl ether	3.770	45	1174243	162.897	ug/l #	80
21) 1,1-Dichloroethane	3.611	63	609561	155.566	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	409005	153.542	ug/l	99
23) tert-Butyl Alcohol	3.014	59	477495	707.920	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	1044923	157.507	ug/l	100
25) Chloroform	5.105	83	616578	158.503	ug/l	97
26) Cyclohexane	5.470	56	568043	156.702	ug/l #	93
29) 1,1-Dichloropropene	5.696	75	462486	146.529	ug/l	98
30) 2-Butanone	4.568	43	1556335	730.026	ug/l	99
31) 2,2-Dichloropropane	4.477	77	448458	149.190	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	507538	150.304	ug/l	98
33) Carbon Tetrachloride	5.684	117	428124	151.118	ug/l	97
34) Benzene	6.044	78	1456773	142.933	ug/l	99
35) Methacrylonitrile	4.928	41	329236	154.262	ug/l	93
36) 1,2-Dichloroethane	6.092	62	451784	146.270	ug/l	97
37) Trichloroethene	7.129	130	388836	142.585	ug/l	100
38) Methylcyclohexane	7.385	83	600236	146.569	ug/l	96
39) 1,2-Dichloropropane	7.434	63	372379	143.672	ug/l	97
40) Dibromomethane	7.586	93	257855	147.531	ug/l	91
41) Bromodichloromethane	7.824	83	474022	152.921	ug/l	98
42) Vinyl Acetate	3.727	43	5162033	764.064	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	605881	152.108	ug/l	100
44) Isopropyl Acetate	6.348	43	920453	152.114	ug/l	100
45) 1,4-Dioxane	7.677	88	215932	3039.218	ug/l	97
46) Methyl methacrylate	7.696	41	442827	155.024	ug/l	97
47) n-amyl Acetate	10.848	43	866552	170.855	ug/l	95
48) t-1,3-Dichloropropene	8.982	75	539086	158.545	ug/l	97
49) cis-1,3-Dichloropropene	8.372	75	598632	156.326	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	376389	144.834	ug/l #	91
51) Ethyl methacrylate	9.122	69	627234	157.803	ug/l	99
52) 1,3-Dichloropropane	9.311	76	602232	143.882	ug/l	100
53) Dibromochloromethane	9.525	129	369535	155.917	ug/l	98
54) 1,2-Dibromoethane	9.616	107	396789	147.573	ug/l	100
55) 2-Chloroethyl vinyl ether	8.250	63	1597574	777.297	ug/l	96
56) Bromoform	10.805	173	280685	173.000	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	3054904	756.157	ug/l	96
59) 2-Hexanone	9.439	43	2350586	751.262	ug/l	99
61) Tetrachloroethene	9.275	164	337968	134.569	ug/l	95
62) Toluene	8.720	91	1565559	142.154	ug/l	97
64) Chlorobenzene	10.079	112	962765	147.419	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	340144	149.846	ug/l	95
66) Ethyl Benzene	10.195	91	1703300	146.364	ug/l	98
67) m/p-Xylenes	10.305	106	1304785	288.021	ug/l	99
68) o-Xylene	10.646	106	660110	146.894	ug/l	98
69) Styrene	10.659	104	1127070	152.747	ug/l	98
70) Isopropylbenzene	10.963	105	1685535	149.492	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	622795	152.504	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	548278m	148.581	ug/l	
73) Bromobenzene	11.201	156	405027	149.882	ug/l	90
74) n-propylbenzene	11.305	91	2061881	153.197	ug/l	99
75) 2-Chlorotoluene	11.366	91	1195225	150.206	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1420342	150.175	ug/l	100
77) t-1,4-Dichloro-2-butene	11.024	75	218964	179.688	ug/l	78
78) 4-Chlorotoluene	11.457	91	1366173	153.682	ug/l	98
79) tert-butylbenzene	11.719	119	1408754	153.862	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	1494804	154.652	ug/l	100
81) sec-Butylbenzene	11.896	105	1931050	156.322	ug/l	99
82) p-Isopropyltoluene	12.012	119	1587282	160.490	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	809746	156.179	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	831777	158.716	ug/l	99
85) n-Butylbenzene	12.335	91	1570863	171.764	ug/l	96
86) Hexachloroethane	12.542	117	277884	171.577	ug/l	85
87) 1,2-Dichlorobenzene	12.335	146	777535	150.789	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	155302	170.813	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	508700	161.636	ug/l	98
90) Hexachlorobutadiene	13.725	225	189575	158.094	ug/l	98
91) Naphthalene	13.780	128	2007762	159.632	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	509528	158.237	ug/l	99

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

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