

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042822\
 Data File : VX028407.D
 Acq On : 28 Apr 2022 18:43
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 29 05:41:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 05:39:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	68095	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	381243	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	349116	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	129402	27.834	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.767%		
60) 4-Bromofluorobenzene	11.085	95	164585	29.238	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.467%		
63) Toluene-d8	8.653	98	441895	29.442	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.133%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	245728	62.304	ug/l	98
3) Chloromethane	1.288	50	190201	60.111	ug/l	98
4) Vinyl Chloride	1.374	62	247333	78.408	ug/l	99
5) Bromomethane	1.599	94	184587	102.818	ug/l	98
6) Chloroethane	1.678	64	185498	95.041	ug/l	100
7) Trichlorofluoromethane	1.880	101	533181	94.800	ug/l	97
8) Diethyl Ether	2.136	74	210790	112.288	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	315049	83.312	ug/l	99
10) 1,1-Dichloroethene	2.319	96	262930	72.898	ug/l	91
11) Methyl Iodide	2.453	142	385794	88.234	ug/l	98
12) Methyl Acetate	2.703	43	408344	83.753	ug/l	96
13) Acrolein	2.233	56	417115	514.816	ug/l	99
14) Acrylonitrile	3.062	53	921829	418.287	ug/l	100
15) Acetone	2.380	58	256788	411.339	ug/l	92
16) Carbon Disulfide	2.508	76	326625	36.891	ug/l	99
17) Allyl chloride	2.660	41	395879	66.894	ug/l	93
18) Methylene Chloride	2.788	84	324681	78.221	ug/l	92
19) trans-1,2-Dichloroethene	3.093	96	288252	73.432	ug/l	91
20) Diisopropyl ether	3.763	45	963052	81.441	ug/l #	85
21) 1,1-Dichloroethane	3.611	63	570761	82.442	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	403974	86.938	ug/l	95
23) tert-Butyl Alcohol	2.989	59	441908	474.563	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	1137455	90.657	ug/l	95
25) Chloroform	5.099	83	669627	89.286	ug/l	94
26) Cyclohexane	5.470	56	364673	61.185	ug/l #	91
29) 1,1-Dichloropropene	5.696	75	408238	74.570	ug/l	96
30) 2-Butanone	4.556	43	1269424	404.328	ug/l	93
31) 2,2-Dichloropropane	4.477	77	519514	91.456	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	587945	86.702	ug/l	98
33) Carbon Tetrachloride	5.678	117	510569	83.290	ug/l	99
34) Benzene	6.037	78	1291798	80.056	ug/l	97
35) Methacrylonitrile	4.922	41	257237	78.758	ug/l	86
36) 1,2-Dichloroethane	6.092	62	477098	80.805	ug/l	96
37) Trichloroethene	7.129	130	402575	82.049	ug/l	94
38) Methylcyclohexane	7.385	83	425175	64.245	ug/l	94
39) 1,2-Dichloropropane	7.434	63	344421	85.732	ug/l	99
40) Dibromomethane	7.580	93	264896	87.432	ug/l	99
41) Bromodichloromethane	7.824	83	520616	90.212	ug/l	98
42) Vinyl Acetate	3.721	43	4055985	390.467	ug/l	95

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43) Ethyl Acetate	4.715	43	473060	79.174	ug/l	99
44) Isopropyl Acetate	6.342	43	796158	86.247	ug/l	98
45) 1,4-Dioxane	7.665	88	202840	1891.591	ug/l	89
46) Methyl methacrylate	7.696	41	366926	81.331	ug/l	85
47) n-amyl Acetate	10.848	43	724082	94.401	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	570040	95.065	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	598058	91.221	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	410151	93.864	ug/l	97
51) Ethyl methacrylate	9.116	69	613421	91.639	ug/l	94
52) 1,3-Dichloropropane	9.311	76	639613	88.565	ug/l	99
53) Dibromochloromethane	9.525	129	461028	98.340	ug/l	99
54) 1,2-Dibromoethane	9.610	107	431366	91.355	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	1632081	498.136	ug/l	98
56) Bromoform	10.799	173	366367	105.954	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	2501265	412.679	ug/l	92
59) 2-Hexanone	9.433	43	1958163	420.369	ug/l	92
61) Tetrachloroethene	9.275	164	385415	80.248	ug/l	96
62) Toluene	8.720	91	1516900	83.388	ug/l	99
64) Chlorobenzene	10.079	112	1070128	90.242	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	432846	95.658	ug/l	98
66) Ethyl Benzene	10.195	91	1802683	87.235	ug/l	98
67) m/p-Xylenes	10.305	106	1448858	178.540	ug/l	93
68) o-Xylene	10.640	106	735770	92.177	ug/l	95
69) Styrene	10.659	104	1246015	93.891	ug/l	97
70) Isopropylbenzene	10.963	105	1887601	90.014	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	640247	101.242	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	572567m	94.906	ug/l	
73) Bromobenzene	11.201	156	517945	98.403	ug/l	92
74) n-propylbenzene	11.305	91	2137741	89.700	ug/l	97
75) 2-Chlorotoluene	11.366	91	1299084	89.738	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	1596176	90.775	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	203332	114.063	ug/l	82
78) 4-Chlorotoluene	11.457	91	1496760	91.010	ug/l	95
79) tert-butylbenzene	11.719	119	1654995	96.451	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	1611914	91.785	ug/l	96
81) sec-Butylbenzene	11.890	105	1937987	89.219	ug/l	97
82) p-Isopropyltoluene	12.012	119	1688389	91.262	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	987327	99.499	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	995334	100.059	ug/l	99
85) n-Butylbenzene	12.335	91	1396324	92.128	ug/l	99
86) Hexachloroethane	12.542	117	291657	101.137	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	974283	101.294	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	149755	101.940	ug/l	90
89) 1,2,4-Trichlorobenzene	13.591	180	630116	100.314	ug/l	99
90) Hexachlorobutadiene	13.725	225	261624	99.294	ug/l	98
91) Naphthalene	13.780	128	2160718	102.215	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	629675	100.040	ug/l	99

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

