

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026392.D
 Acq On : 10 Jan 2022 10:44
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 10 12:38:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:35:24 2022
 Response via : Initial Calibration

01/11/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	4.904	128	21541	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	120293	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	103791	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	52819	25.692	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	85.633%#
60) 4-Bromofluorobenzene	11.079	95	50834	26.843	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.467%
63) Toluene-d8	8.647	98	142698	29.768	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.233%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	5736	3.477	ug/l	98
3) Chloromethane	1.294	50	5957	6.874	ug/l	92
4) Vinyl Chloride	1.380	62	6425	6.465	ug/l	96
5) Bromomethane	1.618	94	3310	4.057	ug/l	96
6) Chloroethane	1.691	64	3860	6.889	ug/l	100
7) Trichlorofluoromethane	1.892	101	10189	4.248	ug/l	96
8) Diethyl Ether	2.136	74	3679	6.473	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	6468	5.170	ug/l	100
10) 1,1-Dichloroethene	2.325	96	6044	5.697	ug/l	91
11) Methyl Iodide	2.459	142	5663	5.133	ug/l	94
12) Methyl Acetate	2.703	43	13017	5.840	ug/l	98
13) Acrolein	2.239	56	5481	53.985	ug/l	97
14) Acrylonitrile	3.068	53	18200	28.988	ug/l	98
15) Acetone	2.386	58	5385	28.071	ug/l	92
16) Carbon Disulfide	2.514	76	17990	6.643	ug/l	100
17) Allyl chloride	2.666	41	11724	6.928	ug/l	98
18) Methylene Chloride	2.794	84	7140	5.750	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	6624	5.680	ug/l	92
20) Diisopropyl ether	3.763	45	22720	6.206	ug/l	95
21) 1,1-Dichloroethane	3.611	63	12526	5.156	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	7831	5.659	ug/l	98
23) tert-Butyl Alcohol	2.983	59	6926m	18.140	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	22806	5.086	ug/l	100
25) Chloroform	5.093	83	13076	4.642	ug/l	99
26) Cyclohexane	5.477	56	11625	5.998	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	9914	5.125	ug/l	97
30) 2-Butanone	4.556	43	28321	29.029	ug/l	96
31) 2,2-Dichloropropane	4.483	77	9180	3.736	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	11663	4.191	ug/l	100
33) Carbon Tetrachloride	5.678	117	10332	4.231	ug/l	99
34) Benzene	6.044	78	27482	5.570	ug/l	98
35) Methacrylonitrile	4.922	41	5858m	6.089	ug/l	
36) 1,2-Dichloroethane	6.092	62	11412	4.774	ug/l	100
37) Trichloroethene	7.129	130	7894	5.725	ug/l	97
38) Methylcyclohexane	7.385	83	11716	5.640	ug/l	95
39) 1,2-Dichloropropane	7.434	63	6895	5.121	ug/l	99
40) Dibromomethane	7.580	93	4910	4.681	ug/l	98
41) Bromodichloromethane	7.818	83	9763	4.384	ug/l	99
42) Vinyl Acetate	3.727	43	83366	28.560	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	10085	5.393	ug/l	100
44) Isopropyl Acetate	6.342	43	16404	5.608	ug/l	98
45) 1,4-Dioxane	7.690	88	2660	85.640	ug/l #	93
46) Methyl methacrylate	7.696	41	8061	5.637	ug/l	94
47) n-amyl Acetate	10.848	43	11179	4.739	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	8861	3.694	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	10278	4.292	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	6960	4.901	ug/l	92
51) Ethyl methacrylate	9.116	69	10288	4.494	ug/l	95
52) 1,3-Dichloropropane	9.311	76	11985	4.939	ug/l	99
53) Dibromochloromethane	9.519	129	7079	4.366	ug/l	97
54) 1,2-Dibromoethane	9.610	107	7343	4.629	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	26804	26.315	ug/l	98
56) Bromoform	10.799	173	4528	4.206	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	50639	28.942	ug/l	99
59) 2-Hexanone	9.433	43	37811	28.125	ug/l	99
61) Tetrachloroethene	9.275	164	8266	6.797	ug/l	94
62) Toluene	8.720	91	30071	5.664	ug/l	100
64) Chlorobenzene	10.079	112	18339	5.719	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	6549	4.572	ug/l	96
66) Ethyl Benzene	10.195	91	33367	5.315	ug/l	98
67) m/p-Xylenes	10.305	106	24502	11.351	ug/l	95
68) o-Xylene	10.640	106	11572	5.490	ug/l	88
69) Styrene	10.659	104	19244	5.374	ug/l	97
70) Isopropylbenzene	10.963	105	31675	5.172	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	8577	4.242	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	8564m	4.374	ug/l	
73) Bromobenzene	11.195	156	7139	5.217	ug/l	90
74) n-propylbenzene	11.305	91	36767	5.062	ug/l	99
75) 2-Chlorotoluene	11.366	91	22344	4.909	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	26863	5.029	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	2055	3.117	ug/l	80
78) 4-Chlorotoluene	11.457	91	25392	4.888	ug/l	97
79) tert-butylbenzene	11.713	119	24440	4.857	ug/l	95
80) 1,2,4-Trimethylbenzene	11.750	105	26215	4.991	ug/l	97
81) sec-Butylbenzene	11.890	105	31828	5.084	ug/l	100
82) p-Isopropyltoluene	12.012	119	26509	5.105	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	13146	5.166	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	13202	5.209	ug/l	97
85) n-Butylbenzene	12.335	91	22468	4.744	ug/l	100
86) Hexachloroethane	12.542	117	3508	3.789	ug/l	94
87) 1,2-Dichlorobenzene	12.335	146	12702	5.069	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1779	3.217	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	8177	5.387	ug/l	96
90) Hexachlorobutadiene	13.725	225	3866	5.041	ug/l	98
91) Naphthalene	13.780	128	27679	5.336	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	7980	5.155	ug/l	96

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

