

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027124.D
 Acq On : 18 Feb 2022 20:44
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2022
 Supervised By :Semsettin Yesilyurt 02/22/2022

Quant Time: Feb 21 00:21:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 05:14:00 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.910	128	14496	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	81413	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	70702	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	31190	29.757	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.200%		
60) 4-Bromofluorobenzene	11.079	95	34090	29.651	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.833%		
63) Toluene-d8	8.653	98	94691	29.872	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.567%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	15277	18.355	ug/l	93
3) Chloromethane	1.295	50	13891	17.571	ug/l	100
4) Vinyl Chloride	1.380	62	14373	18.223	ug/l	99
5) Bromomethane	1.612	94	9594	24.902	ug/l	95
6) Chloroethane	1.691	64	8773	18.644	ug/l	94
7) Trichlorofluoromethane	1.892	101	23296	18.949	ug/l	95
8) Diethyl Ether	2.136	74	8173	18.488	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.337	101	15985	18.674	ug/l	99
10) 1,1-Dichloroethene	2.325	96	15567	18.516	ug/l	98
11) Methyl Iodide	2.459	142	19637	17.672	ug/l	99
12) Methyl Acetate	2.709	43	22032	17.768	ug/l	98
13) Acrolein	2.239	56	17713	87.636	ug/l	98
14) Acrylonitrile	3.069	53	48397	89.105	ug/l	99
15) Acetone	2.380	58	12488	85.693	ug/l	99
16) Carbon Disulfide	2.520	76	38519	17.484	ug/l	99
17) Allyl chloride	2.666	41	26582	17.611	ug/l	96
18) Methylene Chloride	2.794	84	17297	18.247	ug/l	95
19) trans-1,2-Dichloroethene	3.099	96	17367	18.947	ug/l	96
20) Diisopropyl ether	3.764	45	55475	18.583	ug/l	89
21) 1,1-Dichloroethane	3.617	63	30423	18.307	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	19633	18.623	ug/l	98
23) tert-Butyl Alcohol	2.959	59	16067	75.573	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	54221	18.363	ug/l	100
25) Chloroform	5.099	83	31191	18.309	ug/l	92
26) Cyclohexane	5.477	56	28954	18.789	ug/l #	100
29) 1,1-Dichloropropene	5.702	75	22800	17.626	ug/l	98
30) 2-Butanone	4.556	43	67115	86.405	ug/l	99
31) 2,2-Dichloropropane	4.483	77	19946	17.507	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	27110	17.682	ug/l	98
33) Carbon Tetrachloride	5.678	117	23323	17.366	ug/l	94
34) Benzene	6.044	78	68934	18.140	ug/l	99
35) Methacrylonitrile	4.928	41	14362	17.871	ug/l	91
36) 1,2-Dichloroethane	6.092	62	24731	18.089	ug/l	99
37) Trichloroethene	7.129	130	20371	18.240	ug/l	98
38) Methylcyclohexane	7.385	83	28826	18.087	ug/l	98
39) 1,2-Dichloropropane	7.434	63	16833	17.579	ug/l	97
40) Dibromomethane	7.586	93	12126	17.677	ug/l	98
41) Bromodichloromethane	7.824	83	22137	17.093	ug/l	98
42) Vinyl Acetate	3.727	43	231314	87.710	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	26254	17.673	ug/l	99
44) Isopropyl Acetate	6.342	43	39676	17.272	ug/l	98
45) 1,4-Dioxane	7.665	88	7449	317.381	ug/l	97
46) Methyl methacrylate	7.696	41	19518	17.338	ug/l	93
47) n-amyl Acetate	10.842	43	29538	16.201	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	21259	16.506	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	24881	17.054	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	17073	18.064	ug/l	98
51) Ethyl methacrylate	9.116	69	26090	17.349	ug/l	98
52) 1,3-Dichloropropane	9.311	76	28712	17.750	ug/l	99
53) Dibromochloromethane	9.525	129	15684	16.013	ug/l	98
54) 1,2-Dibromoethane	9.610	107	17525	17.395	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	65654	89.452	ug/l	99
56) Bromoform	10.799	173	10382	15.231	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	128042	88.046	ug/l	99
59) 2-Hexanone	9.433	43	94658	85.689	ug/l	98
61) Tetrachloroethene	9.275	164	20658	18.103	ug/l	98
62) Toluene	8.720	91	73617	18.388	ug/l	99
64) Chlorobenzene	10.080	112	44905	18.118	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	15893	17.325	ug/l	98
66) Ethyl Benzene	10.195	91	80047	18.155	ug/l	100
67) m/p-Xylenes	10.305	106	62390	36.631	ug/l	98
68) o-Xylene	10.640	106	30644	18.326	ug/l	100
69) Styrene	10.659	104	49600	17.907	ug/l	99
70) Isopropylbenzene	10.964	105	79117	18.241	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	22254	17.428	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	21907m	17.197	ug/l	
73) Bromobenzene	11.201	156	19171	18.039	ug/l	97
74) n-propylbenzene	11.305	91	90135	18.187	ug/l	100
75) 2-Chlorotoluene	11.366	91	54432	17.749	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	65847	18.144	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	5245	14.193	ug/l	95
78) 4-Chlorotoluene	11.457	91	61096	17.826	ug/l	99
79) tert-butylbenzene	11.713	119	61504	17.747	ug/l	100
80) 1,2,4-Trimethylbenzene	11.756	105	65176	17.988	ug/l	99
81) sec-Butylbenzene	11.890	105	79402	17.893	ug/l	100
82) p-Isopropyltoluene	12.012	119	67694	18.152	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	35332	17.897	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	35004	17.661	ug/l	100
85) n-Butylbenzene	12.335	91	54858	17.718	ug/l	98
86) Hexachloroethane	12.543	117	8974	15.161	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	34430	17.959	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4791	15.339	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	21653	17.949	ug/l	98
90) Hexachlorobutadiene	13.725	225	9176	18.165	ug/l	98
91) Naphthalene	13.774	128	76801	18.108	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	22347	18.309	ug/l	99

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

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