

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX030007.D
 Acq On : 11 Jul 2022 19:27
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/12/2022
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 01:24:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	30378	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	171521	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	151477	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	69997	28.258	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.200%		
60) 4-Bromofluorobenzene	11.085	95	85229	29.856	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.533%		
63) Toluene-d8	8.653	98	245963	29.945	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	39145	18.844	ug/l	95
3) Chloromethane	1.288	50	39388	18.183	ug/l	98
4) Vinyl Chloride	1.374	62	44339	18.064	ug/l	96
5) Bromomethane	1.605	94	18716	18.507	ug/l	93
6) Chloroethane	1.685	64	24793	18.861	ug/l	92
7) Trichlorofluoromethane	1.886	101	57509	18.483	ug/l	97
8) Diethyl Ether	2.136	74	23362	17.653	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	37979	18.128	ug/l	96
10) 1,1-Dichloroethene	2.319	96	39229	18.338	ug/l	87
11) Methyl Iodide	2.453	142	30752	20.635	ug/l	90
12) Methyl Acetate	2.709	43	64836	18.610	ug/l	92
13) Acrolein	2.239	56	26908	65.743	ug/l	100
14) Acrylonitrile	3.068	53	138612	92.441	ug/l	98
15) Acetone	2.386	58	39169	96.166	ug/l	82
16) Carbon Disulfide	2.508	76	103820	18.591	ug/l	99
17) Allyl chloride	2.666	41	67309	17.854	ug/l	95
18) Methylene Chloride	2.788	84	46869	18.805	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	42862	18.463	ug/l	93
20) Diisopropyl ether	3.770	45	132973	17.607	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	72968	17.947	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	49082	17.805	ug/l	97
23) tert-Butyl Alcohol	2.977	59	66784	97.222	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	125732	18.218	ug/l	97
25) Chloroform	5.099	83	73209	18.067	ug/l	92
26) Cyclohexane	5.477	56	66461	17.643	ug/l #	94
29) 1,1-Dichloropropene	5.696	75	53366	18.188	ug/l	96
30) 2-Butanone	4.562	43	191501	96.694	ug/l	99
31) 2,2-Dichloropropane	4.483	77	43228	15.414	ug/l	91
32) 1,1,1-Trichloroethane	5.391	97	60947	19.318	ug/l #	88
33) Carbon Tetrachloride	5.684	117	50839	19.185	ug/l	96
34) Benzene	6.044	78	177087	18.781	ug/l	97
35) Methacrylonitrile	4.928	41	37706	18.809	ug/l	92
36) 1,2-Dichloroethane	6.092	62	53897m	18.777	ug/l	
37) Trichloroethene	7.129	130	48489	19.228	ug/l	100
38) Methylcyclohexane	7.385	83	67836	17.817	ug/l	98
39) 1,2-Dichloropropane	7.434	63	44526	18.551	ug/l	97
40) Dibromomethane	7.586	93	31565	19.401	ug/l	91
41) Bromodichloromethane	7.830	83	58334	20.071	ug/l	98
42) Vinyl Acetate	3.727	43	588536	92.925	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	70974	19.025	ug/l	97
44) Isopropyl Acetate	6.348	43	106896	18.862	ug/l	99
45) 1,4-Dioxane	7.671	88	26622	400.154	ug/l	94
46) Methyl methacrylate	7.696	41	50416	18.772	ug/l	96
47) n-amyl Acetate	10.848	43	91528	18.800	ug/l	97
48) t-1,3-Dichloropropene	8.982	75	58488	18.210	ug/l	96
49) cis-1,3-Dichloropropene	8.372	75	66815	18.526	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	45529	18.889	ug/l	95
51) Ethyl methacrylate	9.122	69	68644	18.301	ug/l	100
52) 1,3-Dichloropropane	9.311	76	73681	19.003	ug/l	99
53) Dibromochloromethane	9.525	129	45901	20.574	ug/l	99
54) 1,2-Dibromoethane	9.610	107	48156	19.239	ug/l	96
55) 2-Chloroethyl vinyl ether	8.244	63	191703	99.147	ug/l	96
56) Bromoform	10.805	173	33856	21.678	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	364154	97.325	ug/l	99
59) 2-Hexanone	9.433	43	282888	97.751	ug/l	98
61) Tetrachloroethene	9.275	164	46780	20.568	ug/l	97
62) Toluene	8.720	91	193502	19.204	ug/l	96
64) Chlorobenzene	10.079	112	113714	18.897	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	40267	19.189	ug/l	95
66) Ethyl Benzene	10.195	91	200549	18.729	ug/l	97
67) m/p-Xylenes	10.305	106	159467	38.377	ug/l	97
68) o-Xylene	10.646	106	79997	19.333	ug/l	95
69) Styrene	10.659	104	133986	19.567	ug/l	96
70) Isopropylbenzene	10.963	105	198043	19.010	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	70550	18.622	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	63883m	18.759	ug/l	
73) Bromobenzene	11.201	156	48712	19.499	ug/l	95
74) n-propylbenzene	11.305	91	232402	18.596	ug/l	99
75) 2-Chlorotoluene	11.366	91	137520	18.686	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	166068	18.986	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	21469	18.329	ug/l	76
78) 4-Chlorotoluene	11.457	91	150867	18.265	ug/l	95
79) tert-butylbenzene	11.719	119	159485	18.742	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	164716	18.317	ug/l	97
81) sec-Butylbenzene	11.890	105	209915	18.225	ug/l	99
82) p-Isopropyltoluene	12.012	119	166957	18.005	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	89981	18.617	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	90030	18.366	ug/l	99
85) n-Butylbenzene	12.335	91	152528	17.529	ug/l	96
86) Hexachloroethane	12.542	117	30689	19.920	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	91807	19.236	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	16917	19.580	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	53850	18.223	ug/l	99
90) Hexachlorobutadiene	13.725	225	20522	18.312	ug/l	97
91) Naphthalene	13.780	128	254695	21.623	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	56158	18.657	ug/l	99

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

