

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033711.D
 Acq On : 12 Jan 2023 16:31
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 13 00:03:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

Internal Standards						01/13/2023
1) Bromochloromethane	4.891	128	14332	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	73111	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	96980	30.000	ug/l	0.00
System Monitoring Compounds						01/13/2023
27) 1,2-Dichloroethane-d4	5.952	65	35461	30.557	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.867%
60) 4-Bromofluorobenzene	11.079	95	61120	34.968	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	116.567%#
63) Toluene-d8	8.647	98	79665	25.668	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	85.567%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	32394	21.612	ug/l	98
3) Chloromethane	1.294	50	35708	22.225	ug/l	98
4) Vinyl Chloride	1.374	62	34960	24.089	ug/l	96
5) Bromomethane	1.618	94	17468	21.730	ug/l	98
6) Chloroethane	1.691	64	20207	23.775	ug/l	98
7) Trichlorofluoromethane	1.892	101	46740	20.870	ug/l	99
8) Diethyl Ether	2.130	74	14713	20.177	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	31508	27.132	ug/l	99
10) 1,1-Dichloroethene	2.319	96	29592	27.028	ug/l	98
11) Methyl Iodide	2.453	142	43887	23.318	ug/l	100
12) Methyl Acetate	2.703	43	55828	24.356	ug/l	95
13) Acrolein	2.239	56	24415	98.788	ug/l	100
14) Acrylonitrile	3.062	53	84457	111.732	ug/l	99
15) Acetone	2.392	58	19428	113.572	ug/l	92
16) Carbon Disulfide	2.514	76	74128	23.267	ug/l	98
17) Allyl chloride	2.666	41	53717	23.063	ug/l	91
18) Methylene Chloride	2.788	84	33486	21.839	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	32500	22.094	ug/l	91
20) Diisopropyl ether	3.751	45	108595	21.602	ug/l	90
21) 1,1-Dichloroethane	3.605	63	58968	21.389	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	37545	21.463	ug/l	98
23) tert-Butyl Alcohol	3.001	59	29016m	97.184	ug/l	
24) Methyl tert-Butyl Ether	3.105	73	101675	21.747	ug/l	97
25) Chloroform	5.086	83	59932	21.417	ug/l	95
26) Cyclohexane	5.464	56	54319	21.229	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	45765	28.959	ug/l	98
30) 2-Butanone	4.562	43	111887	135.574	ug/l #	97
31) 2,2-Dichloropropane	4.471	77	41334	30.378	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	50951	27.615	ug/l	99
33) Carbon Tetrachloride	5.672	117	46657	28.017	ug/l	97
34) Benzene	6.031	78	131216	28.581	ug/l	99
35) Methacrylonitrile	4.910	41	26720	28.414	ug/l	94
36) 1,2-Dichloroethane	6.080	62	46889	28.095	ug/l	98
37) Trichloroethene	7.117	130	29403	22.207	ug/l	100
38) Methylcyclohexane	7.379	83	49881	25.384	ug/l	100
39) 1,2-Dichloropropane	7.427	63	24251	20.669	ug/l	94
40) Dibromomethane	7.580	93	17781	21.564	ug/l	96
41) Bromodichloromethane	7.818	83	34083	21.310	ug/l	99
42) Vinyl Acetate	3.715	43	399430	135.435	ug/l	100

01/13/2023
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	48155	28.476	ug/l	97
44) Isopropyl Acetate	6.336	43	72965	27.502	ug/l	99
45) 1,4-Dioxane	7.714	88	10492m	362.490	ug/l	
46) Methyl methacrylate	7.690	41	28340	21.098	ug/l	91
47) n-amyl Acetate	10.841	43	62057	27.473	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	34333	21.009	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	37822	20.838	ug/l #	88
50) 1,1,2-Trichloroethane	9.147	97	25271	21.113	ug/l	97
51) Ethyl methacrylate	9.116	69	36461	20.428	ug/l	88
52) 1,3-Dichloropropane	9.305	76	43678	21.787	ug/l	100
53) Dibromochloromethane	9.519	129	28162	21.587	ug/l	98
54) 1,2-Dibromoethane	9.610	107	28159	22.013	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	83518	96.792	ug/l	99
56) Bromoform	10.799	173	27495	27.450	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	184043	95.535	ug/l	97
59) 2-Hexanone	9.427	43	138740	97.857	ug/l	96
61) Tetrachloroethene	9.269	164	27607	19.730	ug/l	95
62) Toluene	8.714	91	111440	18.254	ug/l	100
64) Chlorobenzene	10.079	112	85863	21.837	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	33366	22.547	ug/l	98
66) Ethyl Benzene	10.189	91	160983	23.646	ug/l	99
67) m/p-Xylenes	10.299	106	130828	48.689	ug/l	99
68) o-Xylene	10.640	106	64446	24.402	ug/l	100
69) Styrene	10.653	104	106267	24.311	ug/l	99
70) Isopropylbenzene	10.963	105	168564	24.645	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	48777	23.684	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	40845m	21.893	ug/l	
73) Bromobenzene	11.195	156	45056	24.891	ug/l	97
74) n-propylbenzene	11.305	91	192794	24.827	ug/l	100
75) 2-Chlorotoluene	11.366	91	114848	24.727	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	141335	24.889	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	12913	23.135	ug/l	87
78) 4-Chlorotoluene	11.451	91	130339	25.023	ug/l	99
79) tert-butylbenzene	11.713	119	142725	24.507	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	141399	25.205	ug/l	97
81) sec-Butylbenzene	11.890	105	180697	25.642	ug/l	100
82) p-Isopropyltoluene	12.006	119	154985	25.500	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	82444	24.949	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	82593	25.070	ug/l	99
85) n-Butylbenzene	12.329	91	128068	25.917	ug/l	98
86) Hexachloroethane	12.536	117	23550	23.817	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	79612	25.011	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9760	22.827	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	56431	25.777	ug/l	99
90) Hexachlorobutadiene	13.725	225	27724	26.411	ug/l	97
91) Naphthalene	13.774	128	165465	25.739	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	56888	25.899	ug/l	99

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

