

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033217.D
 Acq On : 05 Dec 2022 11:13
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/06/2022
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 05:39:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	10784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	73268	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81462	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	30507	29.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.733%		
60) 4-Bromofluorobenzene	11.079	95	47063	30.202	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.667%		
63) Toluene-d8	8.647	98	81512	29.650	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	16688	17.485	ug/l	97
3) Chloromethane	1.295	50	17964	18.967	ug/l	94
4) Vinyl Chloride	1.374	62	20840	19.460	ug/l	98
5) Bromomethane	1.618	94	14629	15.387	ug/l	99
6) Chloroethane	1.691	64	17299	20.451	ug/l	96
7) Trichlorofluoromethane	1.892	101	43041	20.849	ug/l	96
8) Diethyl Ether	2.130	74	14364	21.520	ug/l	70
9) 1,1,2-Trichlorotrifluo...	2.331	101	21902	19.945	ug/l	97
10) 1,1-Dichloroethene	2.319	96	20023	19.086	ug/l	85
11) Methyl Iodide	2.453	142	21331	18.913	ug/l	99
12) Methyl Acetate	2.703	43	28652	18.437	ug/l	89
13) Acrolein	2.240	56	21451	103.513	ug/l	97
14) Acrylonitrile	3.069	53	52848	94.865	ug/l	99
15) Acetone	2.392	58	17111	118.119	ug/l	90
16) Carbon Disulfide	2.514	76	55756	21.350	ug/l	98
17) Allyl chloride	2.666	41	32876	19.723	ug/l	91
18) Methylene Chloride	2.788	84	23063	19.063	ug/l #	89
19) trans-1,2-Dichloroethene	3.093	96	22223	19.230	ug/l #	81
20) Diisopropyl ether	3.758	45	70738	18.925	ug/l	85
21) 1,1-Dichloroethane	3.611	63	40776	19.433	ug/l	95
22) cis-1,2-Dichloroethene	4.489	96	26109	19.350	ug/l	89
23) tert-Butyl Alcohol	2.995	59	18080	99.954	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	70276	18.708	ug/l	94
25) Chloroform	5.087	83	45199	19.314	ug/l	99
26) Cyclohexane	5.465	56	34887	19.039	ug/l #	87
29) 1,1-Dichloropropene	5.690	75	32028	19.710	ug/l	96
30) 2-Butanone	4.556	43	77865	102.768	ug/l	91
31) 2,2-Dichloropropane	4.477	77	32634	23.482	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41432	20.270	ug/l	94
33) Carbon Tetrachloride	5.672	117	38210	21.291	ug/l	98
34) Benzene	6.038	78	91813	20.053	ug/l	96
35) Methacrylonitrile	4.916	41	15700	18.295	ug/l	92
36) 1,2-Dichloroethane	6.086	62	38227	20.281	ug/l #	93
37) Trichloroethene	7.123	130	25681	20.050	ug/l	92
38) Methylcyclohexane	7.379	83	37199	20.432	ug/l	89
39) 1,2-Dichloropropane	7.428	63	23029	19.871	ug/l	98
40) Dibromomethane	7.580	93	18196	20.564	ug/l	96
41) Bromodichloromethane	7.818	83	37871	22.455	ug/l	98
42) Vinyl Acetate	3.721	43	266390m	91.500	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	28382	18.621	ug/l #	88
44) Isopropyl Acetate	6.336	43	47704	18.677	ug/l	94
45) 1,4-Dioxane	7.708	88	10676	435.153	ug/l #	80
46) Methyl methacrylate	7.690	41	23270	18.097	ug/l	84
47) n-amyl Acetate	10.842	43	40200	17.704	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	36570	21.136	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	38804	21.239	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	25041	20.583	ug/l	97
51) Ethyl methacrylate	9.116	69	32533	17.905	ug/l	84
52) 1,3-Dichloropropane	9.305	76	41359	20.794	ug/l	98
53) Dibromochloromethane	9.519	129	30432	23.001	ug/l	99
54) 1,2-Dibromoethane	9.610	107	26869	20.503	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	76404	87.016	ug/l	93
56) Bromoform	10.799	173	23175	24.466	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	152649	95.724	ug/l #	92
59) 2-Hexanone	9.427	43	113674	96.816	ug/l	92
61) Tetrachloroethene	9.275	164	23358	20.517	ug/l	96
62) Toluene	8.720	91	106014	20.011	ug/l	98
64) Chlorobenzene	10.080	112	66904	20.427	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	26366	21.132	ug/l	97
66) Ethyl Benzene	10.195	91	119360	20.084	ug/l	96
67) m/p-Xylenes	10.299	106	93414	40.395	ug/l	89
68) o-Xylene	10.640	106	45429	20.021	ug/l	92
69) Styrene	10.653	104	77551	20.558	ug/l	96
70) Isopropylbenzene	10.964	105	125890	20.776	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.214	83	38419	20.908	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	31456m	19.710	ug/l	
73) Bromobenzene	11.195	156	30282	20.572	ug/l	89
74) n-propylbenzene	11.305	91	143410	20.831	ug/l	96
75) 2-Chlorotoluene	11.366	91	86024	20.638	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	105538	20.603	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	11296	23.195	ug/l	98
78) 4-Chlorotoluene	11.457	91	100298	20.889	ug/l	94
79) tert-butylbenzene	11.713	119	103516	20.795	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	103559	20.677	ug/l	96
81) sec-Butylbenzene	11.890	105	127288	21.239	ug/l	94
82) p-Isopropyltoluene	12.012	119	106502	21.087	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	57254	21.201	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	57339	21.143	ug/l	98
85) n-Butylbenzene	12.335	91	89868	20.994	ug/l	94
86) Hexachloroethane	12.543	117	20392	24.594	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	57024	21.241	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8087	20.744	ug/l	84
89) 1,2,4-Trichlorobenzene	13.591	180	33918	20.572	ug/l	97
90) Hexachlorobutadiene	13.725	225	15041	22.665	ug/l	99
91) Naphthalene	13.774	128	109987	19.764	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	33948	20.472	ug/l	97

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

