

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
 Data File : VX033884.D
 Acq On : 25 Jan 2023 12:28
 Operator : JC/MD
 Sample : VX0125WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0125WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 26 05:12:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	14258	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	95379	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	105182	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	31642	28.677	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.600%
60) 4-Bromofluorobenzene	11.079	95	55746	29.647	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.833%
63) Toluene-d8	8.647	98	101221	30.163	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.533%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	28791	22.042	ug/l	98
3) Chloromethane	1.294	50	30860	21.009	ug/l	97
4) Vinyl Chloride	1.374	62	29275	20.305	ug/l	97
5) Bromomethane	1.617	94	19655	21.147	ug/l	97
6) Chloroethane	1.691	64	16567	21.482	ug/l	95
7) Trichlorofluoromethane	1.892	101	44767	21.000	ug/l	99
8) Diethyl Ether	2.130	74	17423	21.685	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	28119	21.797	ug/l	99
10) 1,1-Dichloroethene	2.319	96	26161	20.645	ug/l	95
11) Methyl Iodide	2.453	142	37707	19.724	ug/l	99
12) Methyl Acetate	2.703	43	45255	20.465	ug/l	97
13) Acrolein	2.239	56	29445	119.054	ug/l	96
14) Acrylonitrile	3.068	53	73732	102.347	ug/l	99
15) Acetone	2.398	58	22236	102.649	ug/l	84
16) Carbon Disulfide	2.514	76	62710	20.187	ug/l	96
17) Allyl chloride	2.666	41	45349	19.828	ug/l	98
18) Methylene Chloride	2.788	84	29796	20.883	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	28302	20.746	ug/l	96
20) Diisopropyl ether	3.757	45	92762	20.690	ug/l	92
21) 1,1-Dichloroethane	3.611	63	49970	20.367	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	33237	20.735	ug/l	98
23) tert-Butyl Alcohol	3.007	59	24338m	97.766	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	86712	20.667	ug/l	99
25) Chloroform	5.086	83	52178	21.146	ug/l	99
26) Cyclohexane	5.470	56	45858	20.511	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	38102	20.798	ug/l	99
30) 2-Butanone	4.562	43	102061	100.836	ug/l	98
31) 2,2-Dichloropropane	4.477	77	34754	20.002	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	43702	20.715	ug/l	98
33) Carbon Tetrachloride	5.678	117	40024	21.197	ug/l	97
34) Benzene	6.037	78	114369	21.035	ug/l	98
35) Methacrylonitrile	4.916	41	22575	20.481	ug/l	96
36) 1,2-Dichloroethane	6.086	62	39367	20.584	ug/l #	72
37) Trichloroethene	7.123	130	34214	22.282	ug/l	95
38) Methylcyclohexane	7.379	83	49139	22.293	ug/l	97
39) 1,2-Dichloropropane	7.427	63	29591	22.231	ug/l	96
40) Dibromomethane	7.580	93	19961	21.098	ug/l	89
41) Bromodichloromethane	7.818	83	39090	21.655	ug/l	99
42) Vinyl Acetate	3.721	43	349474	102.761	ug/l	99

01/26/2023
 Supervised By :Semsettin
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	37267	18.835	ug/l	99
44) Isopropyl Acetate	6.336	43	59613	19.814	ug/l	98
45) 1,4-Dioxane	7.708	88	13003m	418.198	ug/l	99
46) Methyl methacrylate	7.690	41	31036	20.317	ug/l	96
47) n-amyl Acetate	10.841	43	49031	19.319	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	39292	20.661	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	43739	20.376	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	30883	22.005	ug/l	99
51) Ethyl methacrylate	9.116	69	42937	20.649	ug/l	91
52) 1,3-Dichloropropane	9.305	76	50614	21.399	ug/l	99
53) Dibromochloromethane	9.518	129	34082	22.234	ug/l	98
54) 1,2-Dibromoethane	9.610	107	32425	21.387	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	94510	96.810	ug/l	99
56) Bromoform	10.799	173	26004	21.858	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	195595	103.456	ug/l	96
59) 2-Hexanone	9.427	43	144622	101.808	ug/l	96
61) Tetrachloroethene	9.275	164	32044	23.136	ug/l	96
62) Toluene	8.720	91	126904	21.570	ug/l	99
64) Chlorobenzene	10.079	112	83932	21.399	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	31582	21.624	ug/l	99
66) Ethyl Benzene	10.195	91	141628	21.034	ug/l	97
67) m/p-Xylenes	10.299	106	115020	43.256	ug/l	96
68) o-Xylene	10.640	106	55934	21.213	ug/l	99
69) Styrene	10.652	104	93932	21.657	ug/l	98
70) Isopropylbenzene	10.963	105	147844	21.767	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	44571	21.886	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	39945m	21.527	ug/l	
73) Bromobenzene	11.195	156	40353	21.938	ug/l	99
74) n-propylbenzene	11.305	91	162079	21.007	ug/l	99
75) 2-Chlorotoluene	11.366	91	98741	21.514	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	123728	21.966	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	11604	20.353	ug/l	98
78) 4-Chlorotoluene	11.451	91	111664	21.626	ug/l	99
79) tert-butylbenzene	11.713	119	124242	21.550	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	121470	21.751	ug/l	99
81) sec-Butylbenzene	11.890	105	151696	21.623	ug/l	99
82) p-Isopropyltoluene	12.006	119	133123	21.906	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	72086	21.691	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	72375	21.728	ug/l	100
85) n-Butylbenzene	12.335	91	104814	21.206	ug/l	100
86) Hexachloroethane	12.536	117	20644	21.490	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	70562	22.027	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	8281	19.869	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	49371	22.149	ug/l	99
90) Hexachlorobutadiene	13.725	225	23306	22.299	ug/l	99
91) Naphthalene	13.774	128	140244	21.464	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	49579	22.678	ug/l	98

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

