

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030924\
 Data File : VX040622.D
 Acq On : 08 Mar 2024 11:06
 Operator : JC/MD
 Sample : VX0309WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2024
 Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 08 23:51:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	14476	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	76569	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	73837	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	41411	28.643	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.467%		
60) 4-Bromofluorobenzene	11.079	95	39049	30.832	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.767%		
63) Toluene-d8	8.647	98	89326	27.375	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	91.233%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17311	17.631	ug/l	98
3) Chloromethane	1.295	50	17413	17.309	ug/l	93
4) Vinyl Chloride	1.374	62	18821	17.311	ug/l	98
5) Bromomethane	1.605	94	15330	23.087	ug/l	94
6) Chloroethane	1.685	64	11300	17.691	ug/l	96
7) Trichlorofluoromethane	1.886	101	29701	17.943	ug/l	99
8) Diethyl Ether	2.130	74	9675	17.214	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	16866	18.601	ug/l	94
10) 1,1-Dichloroethene	2.319	96	15842	18.352	ug/l	97
11) Methyl Iodide	2.453	142	14971	14.339	ug/l	94
12) Methyl Acetate	2.703	43	26826	18.865	ug/l	98
13) Acrolein	2.233	56	25747	96.043	ug/l	97
14) Acrylonitrile	3.063	53	53072	94.783	ug/l	99
15) Acetone	2.380	58	14916	93.194	ug/l	79
16) Carbon Disulfide	2.514	76	39401	16.607	ug/l	98
17) Allyl chloride	2.660	41	27838	17.475	ug/l	90
18) Methylene Chloride	2.788	84	17900	18.162	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	16750	17.773	ug/l	98
20) Diisopropyl ether	3.758	45	57141	17.935	ug/l	92
21) 1,1-Dichloroethane	3.605	63	32131	17.526	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	19463	17.783	ug/l	94
23) tert-Butyl Alcohol	2.953	59	23612	89.252	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	57374	18.009	ug/l	92
25) Chloroform	5.087	83	36317	18.099	ug/l	93
26) Cyclohexane	5.465	56	25952	17.540	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	25460	19.210	ug/l	96
30) 2-Butanone	4.556	43	78802	97.435	ug/l	98
31) 2,2-Dichloropropane	4.477	77	27476	19.208	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	30983	18.552	ug/l	98
33) Carbon Tetrachloride	5.678	117	26194	18.642	ug/l	94
34) Benzene	6.038	78	67456	18.854	ug/l	98
35) Methacrylonitrile	4.916	41	15719	18.933	ug/l	94
36) 1,2-Dichloroethane	6.086	62	32651	19.738	ug/l	96
37) Trichloroethene	7.123	130	17847	18.562	ug/l	99
38) Methylcyclohexane	7.379	83	28145	19.721	ug/l	96
39) 1,2-Dichloropropane	7.428	63	17592	19.311	ug/l	96
40) Dibromomethane	7.574	93	14226	19.878	ug/l	95
41) Bromodichloromethane	7.818	83	27937	19.623	ug/l	100
42) Vinyl Acetate	3.721	43	267731	96.148	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	30158	19.800	ug/l	97
44) Isopropyl Acetate	6.336	43	47087	19.367	ug/l	95
45) 1,4-Dioxane	7.659	88	10197	408.007	ug/l	94
46) Methyl methacrylate	7.690	41	24098	19.955	ug/l	93
47) n-amyl Acetate	10.842	43	39962	19.071	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	25865	17.188	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	28282	18.450	ug/l	91
50) 1,1,2-Trichloroethane	9.153	97	16570	17.431	ug/l	98
51) Ethyl methacrylate	9.116	69	26230	17.526	ug/l	90
52) 1,3-Dichloropropane	9.305	76	27957	17.235	ug/l	99
53) Dibromochloromethane	9.519	129	18899	17.440	ug/l	99
54) 1,2-Dibromoethane	9.610	107	19158	18.213	ug/l	94
55) 2-Chloroethyl vinyl ether	8.238	63	68244	89.543	ug/l	99
56) Bromoform	10.799	173	15731	20.466	ug/l #	96
58) 4-Methyl-2-Pentanone	8.568	43	152580	92.801	ug/l	98
59) 2-Hexanone	9.427	43	121457	91.455	ug/l	95
61) Tetrachloroethene	9.275	164	15212	17.358	ug/l	97
62) Toluene	8.714	91	69486	17.087	ug/l	99
64) Chlorobenzene	10.080	112	48525	19.523	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.159	131	18490	19.504	ug/l	95
66) Ethyl Benzene	10.195	91	89662	19.122	ug/l	99
67) m/p-Xylenes	10.299	106	65736	37.965	ug/l	95
68) o-Xylene	10.640	106	31676	19.004	ug/l	97
69) Styrene	10.653	104	53664	19.163	ug/l	98
70) Isopropylbenzene	10.964	105	87070	19.332	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	32012	20.274	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	27432m	19.309	ug/l	
73) Bromobenzene	11.195	156	21517	20.180	ug/l	91
74) n-propylbenzene	11.305	91	109368	19.661	ug/l	98
75) 2-Chlorotoluene	11.366	91	64224	19.456	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	76844	19.380	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	8654	19.601	ug/l	85
78) 4-Chlorotoluene	11.451	91	76547	19.439	ug/l	98
79) tert-butylbenzene	11.713	119	69993	18.913	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	75385	19.296	ug/l	97
81) sec-Butylbenzene	11.890	105	92241	18.878	ug/l	99
82) p-Isopropyltoluene	12.006	119	77524	19.383	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	40504	19.523	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	40839	19.249	ug/l	99
85) n-Butylbenzene	12.329	91	73209	18.811	ug/l	98
86) Hexachloroethane	12.536	117	12648	18.124	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	39086	19.387	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7763	18.387	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	23177	17.074	ug/l	96
90) Hexachlorobutadiene	13.725	225	9777	17.812	ug/l	99
91) Naphthalene	13.774	128	72570	16.389	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	23014	17.194	ug/l	100

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

