

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031424\
 Data File : VX040631.D
 Acq On : 14 Mar 2024 10:11
 Operator : JC/MD
 Sample : VX0314WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS01

Quant Time: Mar 15 05:41:40 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

Manual Integrations APPROVED

Reviewed By : John Carlone 03/15/2024
 Supervised By : Mahesh Dadoda 03/15/2024

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

Internal Standards						
1) Bromochloromethane	4.891	128	14121m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	80662	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	73806	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	41962	29.753	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.167%	
60) 4-Bromofluorobenzene	11.079	95	39481	31.186	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	103.967%	
63) Toluene-d8	8.647	98	100457	30.799	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.667%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17227	17.987	ug/l	96
3) Chloromethane	1.294	50	17101	17.427	ug/l	97
4) Vinyl Chloride	1.374	62	18593	17.532	ug/l	99
5) Bromomethane	1.605	94	13880	21.429	ug/l	99
6) Chloroethane	1.691	64	12604	20.229	ug/l	94
7) Trichlorofluoromethane	1.886	101	34784	21.542	ug/l	96
8) Diethyl Ether	2.130	74	11406	20.805	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	17462	19.743	ug/l	94
10) 1,1-Dichloroethene	2.319	96	15939	18.928	ug/l	94
11) Methyl Iodide	2.453	142	18976	18.632	ug/l	96
12) Methyl Acetate	2.697	43	25720	18.542	ug/l	93
13) Acrolein	2.233	56	24050	91.969	ug/l	99
14) Acrylonitrile	3.062	53	48100	88.063	ug/l	98
15) Acetone	2.373	58	13901	89.036	ug/l	72
16) Carbon Disulfide	2.514	76	41848	18.082	ug/l	98
17) Allyl chloride	2.666	41	28234	18.169	ug/l	89
18) Methylene Chloride	2.788	84	18227	18.958	ug/l #	91
19) trans-1,2-Dichloroethene	3.093	96	17567	19.108	ug/l	94
20) Diisopropyl ether	3.751	45	57758	18.585	ug/l #	83
21) 1,1-Dichloroethane	3.611	63	33303	18.622	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	19416	18.186	ug/l	90
23) tert-Butyl Alcohol	2.946	59	20947	81.169	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	58532	18.834	ug/l	94
25) Chloroform	5.092	83	37408	19.111	ug/l	92
26) Cyclohexane	5.470	56	27492	19.048	ug/l #	8
29) 1,1-Dichloropropene	5.684	75	26656	19.092	ug/l	96
30) 2-Butanone	4.544	43	73522	86.294	ug/l	98
31) 2,2-Dichloropropane	4.471	77	30592	20.301	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	33138	18.836	ug/l	96
33) Carbon Tetrachloride	5.678	117	28104	18.987	ug/l	97
34) Benzene	6.031	78	70841	18.795	ug/l	98
35) Methacrylonitrile	4.916	41	15259	17.446	ug/l	98
36) 1,2-Dichloroethane	6.086	62	33248	19.079	ug/l #	94
37) Trichloroethene	7.123	130	19565	19.317	ug/l	87
38) Methylcyclohexane	7.379	83	29062	19.330	ug/l	96
39) 1,2-Dichloropropane	7.427	63	18609	19.391	ug/l	99
40) Dibromomethane	7.574	93	14527	19.269	ug/l	96
41) Bromodichloromethane	7.818	83	29477	19.654	ug/l	97
42) Vinyl Acetate	3.715	43	265592	90.540	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	28684	17.876	ug/l	99
44) Isopropyl Acetate	6.336	43	47170	18.416	ug/l	93
45) 1,4-Dioxane	7.659	88	8051	305.794	ug/l	95
46) Methyl methacrylate	7.690	41	23217	18.250	ug/l	93
47) n-amyl Acetate	10.841	43	40793	18.480	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	31252	19.714	ug/l	92
49) cis-1,3-Dichloropropene	8.366	75	31982	19.805	ug/l	91
50) 1,1,2-Trichloroethane	9.147	97	18983	18.956	ug/l	97
51) Ethyl methacrylate	9.116	69	28937	18.354	ug/l	98
52) 1,3-Dichloropropane	9.305	76	33222	19.442	ug/l	98
53) Dibromochloromethane	9.518	129	22175	19.425	ug/l	97
54) 1,2-Dibromoethane	9.610	107	20867	18.832	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	75206	93.671	ug/l	99
56) Bromoform	10.799	173	16400	20.254	ug/l #	99
58) 4-Methyl-2-Pentanone	8.567	43	155030	94.331	ug/l	98
59) 2-Hexanone	9.427	43	120193	90.541	ug/l	97
61) Tetrachloroethene	9.269	164	17737	20.247	ug/l	95
62) Toluene	8.714	91	80966	19.918	ug/l	100
64) Chlorobenzene	10.079	112	50666	20.393	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	19349	20.418	ug/l	96
66) Ethyl Benzene	10.189	91	94181	20.095	ug/l	97
67) m/p-Xylenes	10.299	106	69844	40.355	ug/l	97
68) o-Xylene	10.640	106	33742	20.252	ug/l	96
69) Styrene	10.652	104	57437	20.518	ug/l	99
70) Isopropylbenzene	10.957	105	93687	20.810	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	31369	19.875	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	28284m	19.917	ug/l	
73) Bromobenzene	11.195	156	21918	20.565	ug/l	96
74) n-propylbenzene	11.305	91	116009	20.864	ug/l	99
75) 2-Chlorotoluene	11.360	91	68151	20.654	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	80397	20.285	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	8885	20.132	ug/l	86
78) 4-Chlorotoluene	11.451	91	81610	20.733	ug/l	96
79) tert-butylbenzene	11.713	119	76592	20.704	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	80489	20.611	ug/l	98
81) sec-Butylbenzene	11.890	105	99655	20.403	ug/l	99
82) p-Isopropyltoluene	12.006	119	82213	20.564	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	43565	21.007	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	43242	20.390	ug/l	99
85) n-Butylbenzene	12.329	91	78928	20.289	ug/l	98
86) Hexachloroethane	12.536	117	14175	20.320	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	41934	20.809	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	8007	18.973	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	27686	20.404	ug/l	99
90) Hexachlorobutadiene	13.725	225	11887	21.666	ug/l	96
91) Naphthalene	13.774	128	85203	19.250	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	27150	20.293	ug/l	99

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

