

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040771.D
 Acq On : 22 Mar 2024 11:12
 Operator : JC/MD
 Sample : VX0322WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Quant Time: Mar 23 05:02:13 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 03/25/2024
 Supervised By : Semsettin Yesilyurt 03/25/2024

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

Internal Standards						
1) Bromochloromethane	4.897	128	15516m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	83412	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	76182	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44514	28.725	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.767%		
60) 4-Bromofluorobenzene	11.079	95	43252	33.099	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	110.333%		
63) Toluene-d8	8.647	98	106647	31.677	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	105.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17156	16.302	ug/l	96
3) Chloromethane	1.300	50	15589	14.458	ug/l	100
4) Vinyl Chloride	1.374	62	15631	13.414	ug/l	96
5) Bromomethane	1.611	94	11487	16.140	ug/l	95
6) Chloroethane	1.691	64	11433	16.699	ug/l	96
7) Trichlorofluoromethane	1.892	101	31327	17.657	ug/l	93
8) Diethyl Ether	2.136	74	11584	19.230	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	17093	17.588	ug/l	93
10) 1,1-Dichloroethene	2.325	96	15730	17.001	ug/l	97
11) Methyl Iodide	2.459	142	22592	20.188	ug/l	99
12) Methyl Acetate	2.703	43	30404	19.948	ug/l	99
13) Acrolein	2.239	56	28257	98.341	ug/l	98
14) Acrylonitrile	3.056	53	56915	94.833	ug/l	99
15) Acetone	2.373	58	15210	88.662	ug/l	78
16) Carbon Disulfide	2.514	76	37146	14.607	ug/l	97
17) Allyl chloride	2.666	41	29685	17.385	ug/l	81
18) Methylene Chloride	2.794	84	19311	18.280	ug/l	88
19) trans-1,2-Dichloroethene	3.093	96	16787	16.618	ug/l	96
20) Diisopropyl ether	3.757	45	60278	17.652	ug/l	87
21) 1,1-Dichloroethane	3.611	63	34897	17.759	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	19682	16.778	ug/l	90
23) tert-Butyl Alcohol	2.940	59	24965	88.041	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	61467	18.001	ug/l	94
25) Chloroform	5.092	83	38224	17.772	ug/l	94
26) Cyclohexane	5.477	56	26515	16.719	ug/l #	94
29) 1,1-Dichloropropene	5.696	75	26583	18.412	ug/l	96
30) 2-Butanone	4.544	43	84950	96.420	ug/l	99
31) 2,2-Dichloropropane	4.483	77	28534	18.311	ug/l #	70
32) 1,1,1-Trichloroethane	5.385	97	32887	18.077	ug/l	97
33) Carbon Tetrachloride	5.678	117	27919	18.240	ug/l	94
34) Benzene	6.031	78	70896	18.190	ug/l	96
35) Methacrylonitrile	4.916	41	17245	19.066	ug/l	96
36) 1,2-Dichloroethane	6.086	62	32782	18.191	ug/l #	83
37) Trichloroethene	7.129	130	18917	18.061	ug/l	84
38) Methylcyclohexane	7.385	83	28704	18.463	ug/l	95
39) 1,2-Dichloropropane	7.427	63	19274	19.422	ug/l	93
40) Dibromomethane	7.580	93	15263	19.578	ug/l	98
41) Bromodichloromethane	7.818	83	28767	18.548	ug/l #	98
42) Vinyl Acetate	3.721	43	286971	94.603	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	32200	19.406	ug/l	96
44) Isopropyl Acetate	6.336	43	50017	18.884	ug/l #	83
45) 1,4-Dioxane	7.659	88	9725	357.198	ug/l	95
46) Methyl methacrylate	7.690	41	24934	18.954	ug/l	96
47) n-amyl Acetate	10.841	43	45676	20.009	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	29816	18.189	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	32302	19.343	ug/l	91
50) 1,1,2-Trichloroethane	9.153	97	20150	19.458	ug/l	91
51) Ethyl methacrylate	9.116	69	30958	18.989	ug/l	94
52) 1,3-Dichloropropane	9.305	76	34686	19.629	ug/l	100
53) Dibromochloromethane	9.519	129	20694	17.530	ug/l	99
54) 1,2-Dibromoethane	9.610	107	20060	17.506	ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	91289	109.954	ug/l	99
56) Bromoform	10.799	173	14849	17.734	ug/l #	95
58) 4-Methyl-2-Pentanone	8.567	43	169232	99.761	ug/l	97
59) 2-Hexanone	9.427	43	129854	94.768	ug/l	95
61) Tetrachloroethene	9.269	164	15366	16.994	ug/l	96
62) Toluene	8.714	91	78391	18.683	ug/l	100
64) Chlorobenzene	10.079	112	48117	18.763	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	18447	18.859	ug/l	98
66) Ethyl Benzene	10.195	91	88497	18.293	ug/l	98
67) m/p-Xylenes	10.299	106	66753	37.366	ug/l	99
68) o-Xylene	10.640	106	32910	19.136	ug/l	94
69) Styrene	10.652	104	55401	19.174	ug/l	97
70) Isopropylbenzene	10.963	105	91094	19.603	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	33353	20.473	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	28687m	19.571	ug/l	
73) Bromobenzene	11.195	156	21205	19.276	ug/l	96
74) n-propylbenzene	11.305	91	113961	19.856	ug/l	99
75) 2-Chlorotoluene	11.360	91	65893	19.347	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	76689	18.746	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9670	21.228	ug/l	85
78) 4-Chlorotoluene	11.451	91	77213	19.004	ug/l	98
79) tert-butylbenzene	11.713	119	67816	17.760	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	71353	17.702	ug/l	98
81) sec-Butylbenzene	11.890	105	90931	18.037	ug/l	99
82) p-Isopropyltoluene	12.006	119	75891	18.391	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	40231	18.795	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	41603	19.005	ug/l	98
85) n-Butylbenzene	12.329	91	74329	18.511	ug/l	95
86) Hexachloroethane	12.536	117	12814	17.796	ug/l	91
87) 1,2-Dichlorobenzene	12.335	146	38917	18.709	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7546	17.323	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	26525	18.939	ug/l	99
90) Hexachlorobutadiene	13.725	225	10979	19.387	ug/l	95
91) Naphthalene	13.774	128	87133	19.073	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	25072	18.155	ug/l	98

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

