

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036549.D
 Acq On : 14 Jul 2023 09:17
 Operator : JC/MD
 Sample : VX0715WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS01

Quant Time: Jul 17 01:25:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023

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

Internal Standards						
1) Bromochloromethane	4.891	128	33322	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	6.763	114	177854	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	164336	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	78606	28.423	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.733%		
60) 4-Bromofluorobenzene	11.079	95	78524	29.457	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.200%		
63) Toluene-d8	8.647	98	222923	29.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.267%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30789	16.537	ug/l	100
3) Chloromethane	1.294	50	41125	16.146	ug/l	94
4) Vinyl Chloride	1.374	62	41621	15.846	ug/l	99
5) Bromomethane	1.611	94	44354	16.489	ug/l	99
6) Chloroethane	1.685	64	28408	15.890	ug/l #	89
7) Trichlorofluoromethane	1.886	101	70488	16.542	ug/l	99
8) Diethyl Ether	2.136	74	30380	17.159	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	32470	16.830	ug/l	97
10) 1,1-Dichloroethene	2.319	96	32487	16.660	ug/l	97
11) Methyl Iodide	2.453	142	36418	16.389	ug/l	98
12) Methyl Acetate	2.703	43	80010	17.456	ug/l	99
13) Acrolein	2.239	56	23524	62.562	ug/l	100
14) Acrylonitrile	3.062	53	109599	85.306	ug/l	97
15) Acetone	2.386	58	31181	85.723	ug/l	91
16) Carbon Disulfide	2.514	76	77329	16.345	ug/l	99
17) Allyl chloride	2.666	41	57622	16.658	ug/l	98
18) Methylene Chloride	2.788	84	38632	16.453	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	35260	16.543	ug/l	94
20) Diisopropyl ether	3.757	45	126984	18.012	ug/l	94
21) 1,1-Dichloroethane	3.605	63	70097	17.054	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	44115	17.197	ug/l	98
23) tert-Butyl Alcohol	2.971	59	48548	81.372	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	126633	17.858	ug/l	99
25) Chloroform	5.092	83	75602	17.791	ug/l	97
26) Cyclohexane	5.470	56	49800	15.793	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	48096	17.933	ug/l	98
30) 2-Butanone	4.556	43	155730	92.219	ug/l	100
31) 2,2-Dichloropropane	4.471	77	53637	18.237	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	57895	18.167	ug/l	99
33) Carbon Tetrachloride	5.678	117	47824	17.590	ug/l	98
34) Benzene	6.037	78	155956	18.865	ug/l	96
35) Methacrylonitrile	4.916	41	32412	18.499	ug/l	97
36) 1,2-Dichloroethane	6.086	62	61145	19.263	ug/l	99
37) Trichloroethene	7.123	130	38453	17.673	ug/l	99
38) Methylcyclohexane	7.379	83	53276	17.075	ug/l	99
39) 1,2-Dichloropropane	7.427	63	43204	19.280	ug/l	98
40) Dibromomethane	7.580	93	30979	19.086	ug/l	97
41) Bromodichloromethane	7.824	83	56090	19.040	ug/l	98
42) Vinyl Acetate	3.721	43	498387	97.709	ug/l	99

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43) Ethyl Acetate	4.708	43	60705	18.468	ug/l	96
44) Isopropyl Acetate	6.336	43	99065	18.898	ug/l	99
45) 1,4-Dioxane	7.671	88	22721	381.842	ug/l #	1
46) Methyl methacrylate	7.690	41	48673	19.427	ug/l	95
47) n-amyl Acetate	10.841	43	84331	18.966	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	59920	18.545	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	65531	18.776	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	43228	19.619	ug/l	99
51) Ethyl methacrylate	9.116	69	65915	19.054	ug/l	98
52) 1,3-Dichloropropane	9.305	76	72740	19.562	ug/l	99
53) Dibromochloromethane	9.518	129	41798	18.794	ug/l	99
54) 1,2-Dibromoethane	9.610	107	44826	19.366	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	179472	96.466	ug/l	100
56) Bromoform	10.799	173	28446	18.384	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	314703	92.608	ug/l	99
59) 2-Hexanone	9.427	43	238654	92.313	ug/l	98
61) Tetrachloroethene	9.275	164	34158	17.354	ug/l	98
62) Toluene	8.720	91	169930	18.429	ug/l	99
64) Chlorobenzene	10.079	112	105172	18.321	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	38087	18.372	ug/l	99
66) Ethyl Benzene	10.195	91	180816	18.044	ug/l	97
67) m/p-Xylenes	10.299	106	141361	36.185	ug/l	99
68) o-Xylene	10.640	106	71723	18.499	ug/l	100
69) Styrene	10.652	104	115475	18.369	ug/l	98
70) Isopropylbenzene	10.963	105	175364	18.160	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	67038	19.020	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	61651m	18.876	ug/l	
73) Bromobenzene	11.195	156	43628	18.277	ug/l	98
74) n-propylbenzene	11.305	91	203418	17.897	ug/l	99
75) 2-Chlorotoluene	11.366	91	125772	18.197	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	149436	18.009	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	17530	16.345	ug/l	97
78) 4-Chlorotoluene	11.451	91	143004	18.171	ug/l	99
79) tert-butylbenzene	11.713	119	139301	17.687	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	149830	18.222	ug/l	100
81) sec-Butylbenzene	11.890	105	171367	17.286	ug/l	97
82) p-Isopropyltoluene	12.006	119	142083	17.227	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	79321	17.864	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	79290	17.921	ug/l	99
85) n-Butylbenzene	12.329	91	124047	16.522	ug/l	99
86) Hexachloroethane	12.536	117	21285	15.587	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	81623	18.327	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	13952	17.605	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	48198	17.161	ug/l	99
90) Hexachlorobutadiene	13.725	225	16551	16.225	ug/l	97
91) Naphthalene	13.774	128	178493	18.113	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	48523	17.117	ug/l	98

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

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