

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041617.D
 Acq On : 23 May 2024 10:36
 Operator : JC/MD
 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

Quant Time: May 24 05:31:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	27035	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	143505	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	135506	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	61617	28.942	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.467%		
60) 4-Bromofluorobenzene	11.079	95	63959	30.236	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.800%		
63) Toluene-d8	8.646	98	173884	29.936	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28357	20.054	ug/l	99
3) Chloromethane	1.300	50	29920	19.322	ug/l	97
4) Vinyl Chloride	1.373	62	31587	19.375	ug/l	99
5) Bromomethane	1.599	94	19630	18.931	ug/l	98
6) Chloroethane	1.666	64	19529	23.693	ug/l	96
7) Trichlorofluoromethane	1.873	101	54267	21.930	ug/l	95
8) Diethyl Ether	2.135	74	21579	23.351	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	31365	21.857	ug/l	99
10) 1,1-Dichloroethene	2.312	96	28865	20.869	ug/l	97
11) Methyl Iodide	2.446	142	34313	20.828	ug/l	98
12) Methyl Acetate	2.709	43	48650	23.354	ug/l	96
13) Acrolein	2.239	56	26721	105.365	ug/l	98
14) Acrylonitrile	3.068	53	98560	107.612	ug/l	99
15) Acetone	2.392	58	30436	124.028	ug/l	99
16) Carbon Disulfide	2.501	76	57290	18.345	ug/l	99
17) Allyl chloride	2.660	41	50737	20.670	ug/l	99
18) Methylene Chloride	2.788	84	34355	20.883	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	30423	19.181	ug/l	98
20) Diisopropyl ether	3.763	45	103981	20.162	ug/l	97
21) 1,1-Dichloroethane	3.605	63	56892	19.655	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	37768	19.596	ug/l	97
23) tert-Butyl Alcohol	2.995	59	43791	112.668	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	104500	20.236	ug/l	99
25) Chloroform	5.092	83	60903	19.751	ug/l	94
26) Cyclohexane	5.464	56	45898	19.015	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	39646	20.885	ug/l	99
30) 2-Butanone	4.568	43	146621	116.365	ug/l	100
31) 2,2-Dichloropropane	4.470	77	45743	20.532	ug/l #	53
32) 1,1,1-Trichloroethane	5.379	97	52557	20.634	ug/l	99
33) Carbon Tetrachloride	5.671	117	45160	20.721	ug/l	98
34) Benzene	6.037	78	124859	20.827	ug/l	97
35) Methacrylonitrile	4.928	41	29692	23.360	ug/l	97
36) 1,2-Dichloroethane	6.086	62	46986	21.002	ug/l	99
37) Trichloroethene	7.122	130	34255	20.507	ug/l	97
38) Methylcyclohexane	7.378	83	50075	20.775	ug/l	99
39) 1,2-Dichloropropane	7.427	63	30526	21.540	ug/l	98
40) Dibromomethane	7.580	93	24238	21.731	ug/l	98
41) Bromodichloromethane	7.823	83	45061	21.519	ug/l	100
42) Vinyl Acetate	3.721	43	472301	108.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	52671	21.665	ug/l	97
44) Isopropyl Acetate	6.342	43	81140	22.079	ug/l	99
45) 1,4-Dioxane	7.665	88	15026	362.545	ug/l #	76
46) Methyl methacrylate	7.695	41	40859	22.346	ug/l	99
47) n-amyl Acetate	10.841	43	71640	21.496	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	43294	20.588	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	47405	20.813	ug/l	97
50) 1,1,2-Trichloroethane	9.152	97	34252	22.075	ug/l	94
51) Ethyl methacrylate	9.116	69	54173	21.691	ug/l	95
52) 1,3-Dichloropropane	9.311	76	55990	21.838	ug/l	99
53) Dibromochloromethane	9.518	129	37993	21.521	ug/l	100
54) 1,2-Dibromoethane	9.610	107	36370	22.105	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	124509	102.138	ug/l	98
56) Bromoform	10.799	173	30398	21.492	ug/l	98
58) 4-Methyl-2-Pentanone	8.573	43	286182	115.587	ug/l	99
59) 2-Hexanone	9.433	43	223359	113.242	ug/l	100
61) Tetrachloroethene	9.274	164	33643	20.293	ug/l	94
62) Toluene	8.714	91	141170	20.937	ug/l	99
64) Chlorobenzene	10.079	112	97224	21.228	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	34862	21.506	ug/l	99
66) Ethyl Benzene	10.195	91	155720	20.798	ug/l	100
67) m/p-Xylenes	10.299	106	125672	42.924	ug/l	98
68) o-Xylene	10.640	106	61750	20.953	ug/l	100
69) Styrene	10.652	104	104228	21.093	ug/l	100
70) Isopropylbenzene	10.963	105	162877	21.872	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	56644	22.142	ug/l	99
72) 1,2,3-Trichloropropane	11.237	75	45221m	19.601	ug/l	
73) Bromobenzene	11.201	156	46052	21.046	ug/l	99
74) n-propylbenzene	11.305	91	179087	21.327	ug/l	99
75) 2-Chlorotoluene	11.366	91	114233	21.663	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	135447	21.309	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15461	21.321	ug/l	94
78) 4-Chlorotoluene	11.457	91	127764	21.273	ug/l	99
79) tert-butylbenzene	11.713	119	144241	21.321	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	136294	21.393	ug/l	99
81) sec-Butylbenzene	11.890	105	168331	21.294	ug/l	99
82) p-Isopropyltoluene	12.006	119	145182	20.980	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	82357	20.986	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	83124	20.963	ug/l	99
85) n-Butylbenzene	12.335	91	115001	20.652	ug/l	99
86) Hexachloroethane	12.536	117	23988	20.589	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	84889	21.193	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.944	75	12338	21.961	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	55190	20.507	ug/l	98
90) Hexachlorobutadiene	13.725	225	27760	21.142	ug/l	99
91) Naphthalene	13.774	128	173974	21.628	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	58882	21.414	ug/l	100

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

