

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041616.D
 Acq On : 23 May 2024 10:10
 Operator : JC/MD
 Sample : VX0523WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBS01

Manual Integrations
 APPROVED

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

Quant Time: May 24 05:30:48 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	26989	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	147975	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	137278	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	62676	29.490	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.300%		
60) 4-Bromofluorobenzene	11.079	95	66378	30.974	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.233%		
63) Toluene-d8	8.646	98	176644	30.018	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.067%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28291	20.041	ug/l	97
3) Chloromethane	1.300	50	30092	19.467	ug/l	99
4) Vinyl Chloride	1.373	62	32528	19.986	ug/l	93
5) Bromomethane	1.599	94	20905	20.195	ug/l	97
6) Chloroethane	1.666	64	18157	22.066	ug/l	95
7) Trichlorofluoromethane	1.867	101	56150	22.729	ug/l	95
8) Diethyl Ether	2.135	74	21373	23.168	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	32244	22.508	ug/l	98
10) 1,1-Dichloroethene	2.306	96	29866	21.629	ug/l	94
11) Methyl Iodide	2.440	142	35627	21.663	ug/l	98
12) Methyl Acetate	2.708	43	47509	22.845	ug/l	98
13) Acrolein	2.239	56	25595	101.097	ug/l	98
14) Acrylonitrile	3.068	53	94258	103.090	ug/l	98
15) Acetone	2.385	58	32066	130.893	ug/l	100
16) Carbon Disulfide	2.501	76	60480	19.399	ug/l	99
17) Allyl chloride	2.660	41	51554	21.039	ug/l	98
18) Methylene Chloride	2.782	84	35615	21.686	ug/l	96
19) trans-1,2-Dichloroethene	3.086	96	30819	19.464	ug/l	99
20) Diisopropyl ether	3.763	45	105999	20.588	ug/l	93
21) 1,1-Dichloroethane	3.605	63	58252	20.159	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	38379	19.947	ug/l	98
23) tert-Butyl Alcohol	2.995	59	40957	105.556	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	104405	20.252	ug/l	99
25) Chloroform	5.092	83	63037	20.478	ug/l	99
26) Cyclohexane	5.458	56	47810	19.841	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	40836	20.862	ug/l	100
30) 2-Butanone	4.562	43	145533	112.013	ug/l	99
31) 2,2-Dichloropropane	4.470	77	48230	20.994	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	54647	20.806	ug/l	99
33) Carbon Tetrachloride	5.671	117	47463	21.120	ug/l	99
34) Benzene	6.031	78	127820	20.676	ug/l	98
35) Methacrylonitrile	4.921	41	27169	20.730	ug/l	97
36) 1,2-Dichloroethane	6.080	62	48972	21.229	ug/l	99
37) Trichloroethene	7.122	130	35221	20.449	ug/l	97
38) Methylcyclohexane	7.372	83	51308	20.644	ug/l	100
39) 1,2-Dichloropropane	7.427	63	30665	20.984	ug/l	98
40) Dibromomethane	7.580	93	24423	21.236	ug/l	97
41) Bromodichloromethane	7.817	83	45454	21.051	ug/l	99
42) Vinyl Acetate	3.720	43	470712	104.421	ug/l	100

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43) Ethyl Acetate	4.714	43	54071	21.569	ug/l	100
44) Isopropyl Acetate	6.342	43	81209	21.430	ug/l	99
45) 1,4-Dioxane	7.665	88	16193	378.900	ug/l #	89
46) Methyl methacrylate	7.695	41	39856	21.139	ug/l	97
47) n-amyl Acetate	10.841	43	70495	20.514	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44010	20.296	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	48981	20.855	ug/l	98
50) 1,1,2-Trichloroethane	9.152	97	34055	21.285	ug/l	96
51) Ethyl methacrylate	9.116	69	53830	20.903	ug/l	97
52) 1,3-Dichloropropane	9.305	76	56124	21.229	ug/l	99
53) Dibromochloromethane	9.518	129	38234	21.003	ug/l	98
54) 1,2-Dibromoethane	9.610	107	37187	21.918	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	123513	98.261	ug/l	100
56) Bromoform	10.798	173	30200	20.707	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	281856	112.371	ug/l	100
59) 2-Hexanone	9.433	43	220483	110.341	ug/l	99
61) Tetrachloroethene	9.274	164	34243	20.388	ug/l	94
62) Toluene	8.713	91	143948	21.074	ug/l	98
64) Chlorobenzene	10.079	112	98563	21.243	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.158	131	34998	21.311	ug/l	98
66) Ethyl Benzene	10.195	91	161221	21.255	ug/l	98
67) m/p-Xylenes	10.299	106	128858	43.444	ug/l	98
68) o-Xylene	10.640	106	63000	21.101	ug/l	100
69) Styrene	10.652	104	106160	21.207	ug/l	100
70) Isopropylbenzene	10.963	105	166637	22.088	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	56813	21.921	ug/l	100
72) 1,2,3-Trichloropropane	11.237	75	46383m	19.845	ug/l	
73) Bromobenzene	11.195	156	47240	21.310	ug/l	99
74) n-propylbenzene	11.304	91	184054	21.636	ug/l	100
75) 2-Chlorotoluene	11.365	91	116752	21.855	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	138547	21.515	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15444	21.023	ug/l	92
78) 4-Chlorotoluene	11.451	91	129788	21.331	ug/l	98
79) tert-butylbenzene	11.713	119	148011	21.596	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	139387	21.596	ug/l	100
81) sec-Butylbenzene	11.890	105	174542	21.794	ug/l	98
82) p-Isopropyltoluene	12.006	119	152852	21.803	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	84951	21.368	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	85068	21.176	ug/l	100
85) n-Butylbenzene	12.329	91	120028	21.277	ug/l	99
86) Hexachloroethane	12.536	117	25151	21.309	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	85102	20.972	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.944	75	12255	21.531	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	58514	21.461	ug/l	98
90) Hexachlorobutadiene	13.725	225	29562	22.224	ug/l	99
91) Naphthalene	13.774	128	178418	21.894	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	60769	21.815	ug/l	99

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

