

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
 Data File : VX039086.D
 Acq On : 06 Dec 2023 10:51
 Operator : JC/MD
 Sample : VX1206WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1206WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Dec 07 03:59:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

Internal Standards						12/08/2023
1) Bromochloromethane	4.891	128	12831	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	103997	30.000	ug/l	-0.01
57) Chlorobenzene-d5	10.049	117	126626	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	52917	30.146	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.500%
60) 4-Bromofluorobenzene	11.079	95	83636	30.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.800%
63) Toluene-d8	8.647	98	152326	30.427	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35735	18.607	ug/l	98
3) Chloromethane	1.295	50	41947	19.076	ug/l	98
4) Vinyl Chloride	1.374	62	41547	18.715	ug/l	100
5) Bromomethane	1.605	94	29544	21.758	ug/l	98
6) Chloroethane	1.691	64	25131	19.439	ug/l	96
7) Trichlorofluoromethane	1.886	101	59053	19.273	ug/l	99
8) Diethyl Ether	2.130	74	22612	19.226	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	36246	20.934	ug/l	97
10) 1,1-Dichloroethene	2.319	96	35634	20.417	ug/l	95
11) Methyl Iodide	2.453	142	32984	17.246	ug/l	93
12) Methyl Acetate	2.697	43	118088	21.694	ug/l	99
13) Acrolein	2.233	56	39979	83.838	ug/l	98
14) Acrylonitrile	3.056	53	138793	104.250	ug/l	98
15) Acetone	2.374	58	46510	96.108	ug/l	97
16) Carbon Disulfide	2.514	76	98860	18.703	ug/l	97
17) Allyl chloride	2.660	41	71260	20.567	ug/l	97
18) Methylene Chloride	2.788	84	40782	19.713	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	38811	19.662	ug/l	98
20) Diisopropyl ether	3.751	45	139141	21.103	ug/l	98
21) 1,1-Dichloroethane	3.605	63	73168	19.959	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	45031	19.685	ug/l	98
23) tert-Butyl Alcohol	2.947	59	63213	85.767	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	130122	20.239	ug/l	100
25) Chloroform	5.087	83	74268	20.185	ug/l	95
26) Cyclohexane	5.465	56	67876	20.457	ug/l #	96
29) 1,1-Dichloropropene	5.690	75	56885	19.512	ug/l	98
30) 2-Butanone	4.544	43	210486	95.896	ug/l	100
31) 2,2-Dichloropropane	4.471	77	64731	19.420	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	63450	18.830	ug/l	98
33) Carbon Tetrachloride	5.672	117	51334	18.086	ug/l	96
34) Benzene	6.031	78	165379	19.473	ug/l	97
35) Methacrylonitrile	4.910	41	40018	20.582	ug/l	98
36) 1,2-Dichloroethane	6.080	62	59249	19.014	ug/l	99
37) Trichloroethene	7.123	130	41336	19.177	ug/l	98
38) Methylcyclohexane	7.379	83	69876	19.236	ug/l	97
39) 1,2-Dichloropropane	7.428	63	45242	20.200	ug/l	98
40) Dibromomethane	7.580	93	30068	19.000	ug/l	99
41) Bromodichloromethane	7.818	83	58877	19.366	ug/l	98
42) Vinyl Acetate	3.715	43	518812	99.239	ug/l	100

12/08/2023
 Supervised By :Mahesh
 Kadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	75365	19.958	ug/l	100
44) Isopropyl Acetate	6.330	43	116676	19.600	ug/l	100
45) 1,4-Dioxane	7.647	88	19877	327.084	ug/l	98
46) Methyl methacrylate	7.690	41	65505	19.246	ug/l	95
47) n-amyl Acetate	10.842	43	98008	19.452	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	67132	19.044	ug/l	96
49) cis-1,3-Dichloropropene	8.360	75	71304	19.608	ug/l	96
50) 1,1,2-Trichloroethane	9.147	97	42649	19.839	ug/l	99
51) Ethyl methacrylate	9.110	69	53777	19.984	ug/l	96
52) 1,3-Dichloropropane	9.305	76	73781	20.016	ug/l	99
53) Dibromochloromethane	9.519	129	42668	18.481	ug/l	99
54) 1,2-Dibromoethane	9.610	107	45594	19.340	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	165036	96.759	ug/l	99
56) Bromoform	10.799	173	29489	17.698	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	395864	103.092	ug/l	99
59) 2-Hexanone	9.427	43	320944	101.824	ug/l	100
61) Tetrachloroethene	9.269	164	32320	19.631	ug/l	95
62) Toluene	8.714	91	178589	19.865	ug/l	99
64) Chlorobenzene	10.080	112	107910	19.733	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	38256	19.425	ug/l	98
66) Ethyl Benzene	10.189	91	201666	19.700	ug/l	99
67) m/p-Xylenes	10.299	106	147600	39.019	ug/l	99
68) o-Xylene	10.640	106	71330	19.467	ug/l	99
69) Styrene	10.653	104	104265	19.227	ug/l	99
70) Isopropylbenzene	10.957	105	194716	19.861	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	73948	20.205	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	64429m	20.804	ug/l	
73) Bromobenzene	11.195	156	42555	19.065	ug/l	96
74) n-propylbenzene	11.305	91	241327	20.091	ug/l	100
75) 2-Chlorotoluene	11.360	91	139616	19.812	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	165182	19.558	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22871	18.638	ug/l	97
78) 4-Chlorotoluene	11.451	91	164912	19.904	ug/l	98
79) tert-butylbenzene	11.713	119	157335	19.591	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	165385	19.566	ug/l	98
81) sec-Butylbenzene	11.890	105	202904	19.985	ug/l	98
82) p-Isopropyltoluene	12.006	119	168739	19.610	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	82925	19.413	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	84177	19.206	ug/l	99
85) n-Butylbenzene	12.329	91	168557	19.836	ug/l	98
86) Hexachloroethane	12.536	117	30102	18.463	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	79220	19.286	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	17857	19.078	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	52085	19.126	ug/l	97
90) Hexachlorobutadiene	13.725	225	20014	20.582	ug/l	98
91) Naphthalene	13.774	128	190031	18.921	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	50382	19.100	ug/l	98

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

