

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036695.D
 Acq On : 28 Jul 2023 10:22
 Operator : JC/MD
 Sample : VX0728WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 28 16:16:00 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

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

Internal Standards						
1) Bromochloromethane	4.897	128	30280	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	183254	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	164362	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	74710	29.728	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.100%			
60) 4-Bromofluorobenzene	11.079	95	80646	30.248	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.833%			
63) Toluene-d8	8.647	98	221615	29.301	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.667%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	39909	23.589	ug/l	98
3) Chloromethane	1.301	50	34916	15.085	ug/l	92
4) Vinyl Chloride	1.374	62	38951	16.320	ug/l	99
5) Bromomethane	1.599	94	24600m	10.064	ug/l	
6) Chloroethane	1.685	64	22883	14.086	ug/l	98
7) Trichlorofluoromethane	1.886	101	63724	16.457	ug/l	98
8) Diethyl Ether	2.136	74	22693	14.105	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	36739	20.956	ug/l	98
10) 1,1-Dichloroethene	2.319	96	35595	20.088	ug/l	96
11) Methyl Iodide	2.453	142	38801	19.216	ug/l	99
12) Methyl Acetate	2.703	43	80736	19.384	ug/l	97
13) Acrolein	2.233	56	40446	118.372	ug/l	97
14) Acrylonitrile	3.062	53	112015	95.945	ug/l	98
15) Acetone	2.380	58	33327	100.828	ug/l	94
16) Carbon Disulfide	2.508	76	95046	22.109	ug/l	100
17) Allyl chloride	2.660	41	64897	20.646	ug/l	94
18) Methylene Chloride	2.788	84	39924	18.712	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	39673	20.484	ug/l	98
20) Diisopropyl ether	3.764	45	126496	19.745	ug/l #	97
21) 1,1-Dichloroethane	3.605	63	73174	19.591	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	46942	20.138	ug/l	98
23) tert-Butyl Alcohol	2.959	59	60434	111.471	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	131945	20.476	ug/l	100
25) Chloroform	5.093	83	75959	19.671	ug/l	97
26) Cyclohexane	5.464	56	62803	21.917	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	56195	20.335	ug/l	99
30) 2-Butanone	4.556	43	163906	94.201	ug/l	100
31) 2,2-Dichloropropane	4.471	77	67854	22.391	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	69172	21.066	ug/l	99
33) Carbon Tetrachloride	5.678	117	59421	21.211	ug/l	96
34) Benzene	6.037	78	163094	19.147	ug/l	98
35) Methacrylonitrile	4.916	41	33251	18.419	ug/l	99
36) 1,2-Dichloroethane	6.086	62	59617	18.228	ug/l	97
37) Trichloroethene	7.123	130	42919	19.145	ug/l	98
38) Methylcyclohexane	7.385	83	69945	21.757	ug/l	98
39) 1,2-Dichloropropane	7.427	63	42559	18.432	ug/l	97
40) Dibromomethane	7.580	93	30464	18.215	ug/l	99
41) Bromodichloromethane	7.824	83	61352	20.213	ug/l	100
42) Vinyl Acetate	3.721	43	502554	95.623	ug/l	98

07/28/2023
 Supervised By :Mahesh
 adoda

07/31/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	64105	18.927	ug/l	97
44) Isopropyl Acetate	6.342	43	103887	19.234	ug/l	98
45) 1,4-Dioxane	7.659	88	22485	366.741	ug/l #	1
46) Methyl methacrylate	7.696	41	48605	18.828	ug/l	93
47) n-amyl Acetate	10.841	43	87708	19.145	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	68480	20.570	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	72384	20.128	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	41768	18.397	ug/l	95
51) Ethyl methacrylate	9.116	69	69890	19.608	ug/l	98
52) 1,3-Dichloropropane	9.305	76	71190	18.581	ug/l	97
53) Dibromochloromethane	9.519	129	46291	20.201	ug/l	98
54) 1,2-Dibromoethane	9.610	107	45684	19.155	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	167107	87.173	ug/l	98
56) Bromoform	10.799	173	33402	20.951	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	309907	91.182	ug/l	96
59) 2-Hexanone	9.427	43	238641	92.294	ug/l	98
61) Tetrachloroethene	9.275	164	37091	18.841	ug/l	99
62) Toluene	8.720	91	175739	19.056	ug/l	96
64) Chlorobenzene	10.079	112	107727	18.764	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	42252	20.377	ug/l	99
66) Ethyl Benzene	10.195	91	196540	19.610	ug/l	97
67) m/p-Xylenes	10.299	106	151989	38.899	ug/l	98
68) o-Xylene	10.640	106	73214	18.880	ug/l	95
69) Styrene	10.653	104	120778	19.210	ug/l	98
70) Isopropylbenzene	10.963	105	193976	20.084	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	65218	18.501	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	54150m	16.577	ug/l	
73) Bromobenzene	11.195	156	43790	18.342	ug/l	99
74) n-propylbenzene	11.305	91	226470	19.922	ug/l	99
75) 2-Chlorotoluene	11.366	91	135721	19.633	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	162995	19.639	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22725	21.185	ug/l	87
78) 4-Chlorotoluene	11.457	91	151086	19.195	ug/l	99
79) tert-butylbenzene	11.713	119	158259	20.090	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	159515	19.397	ug/l	100
81) sec-Butylbenzene	11.890	105	201667	20.339	ug/l	98
82) p-Isopropyltoluene	12.006	119	166063	20.131	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	82010	18.467	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	83912	18.962	ug/l	98
85) n-Butylbenzene	12.329	91	144012	19.178	ug/l	98
86) Hexachloroethane	12.536	117	32024	23.448	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	80003	17.961	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	14786	18.654	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	49786	17.724	ug/l	99
90) Hexachlorobutadiene	13.725	225	20122	19.722	ug/l	97
91) Naphthalene	13.774	128	172422	17.494	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	49226	17.362	ug/l	99

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

