

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112823\
 Data File : VX039045.D
 Acq On : 28 Nov 2023 10:20
 Operator : JC/MD
 Sample : VX1128WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1128WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 11/29/2023
 Supervised By :Mahesh
 Dadoda
 11/29/2023

Quant Time: Nov 29 01:27:06 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						
1) Bromochloromethane	4.897	128	9948	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	82930	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	104156	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44963	33.038	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.133%#			
60) 4-Bromofluorobenzene	11.079	95	67173	29.527	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.433%			
63) Toluene-d8	8.647	98	122743	29.807	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.367%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32319	21.706	ug/l	100
3) Chloromethane	1.294	50	35905	21.060	ug/l	93
4) Vinyl Chloride	1.374	62	36339	21.113	ug/l	99
5) Bromomethane	1.611	94	25237	23.973	ug/l	98
6) Chloroethane	1.691	64	22053	22.002	ug/l	98
7) Trichlorofluoromethane	1.892	101	53035	22.326	ug/l	93
8) Diethyl Ether	2.130	74	20213	22.167	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	28244	21.040	ug/l	97
10) 1,1-Dichloroethene	2.319	96	28777	21.267	ug/l	100
11) Methyl Iodide	2.453	142	30100	20.300	ug/l	97
12) Methyl Acetate	2.697	43	88124	20.881	ug/l	99
13) Acrolein	2.233	56	46189	124.932	ug/l	100
14) Acrylonitrile	3.056	53	107050	103.710	ug/l	100
15) Acetone	2.373	58	36952	98.486	ug/l	94
16) Carbon Disulfide	2.514	76	84640	20.653	ug/l	98
17) Allyl chloride	2.660	41	57821	21.525	ug/l	95
18) Methylene Chloride	2.788	84	33452	20.856	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	32447	21.202	ug/l	98
20) Diisopropyl ether	3.751	45	110820	21.679	ug/l	95
21) 1,1-Dichloroethane	3.605	63	61279	21.560	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	37352	21.060	ug/l	97
23) tert-Butyl Alcohol	2.940	59	54225	94.893	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	105831	21.231	ug/l	96
25) Chloroform	5.086	83	61751	21.647	ug/l	91
26) Cyclohexane	5.464	56	55262	21.482	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	47921	20.613	ug/l	97
30) 2-Butanone	4.544	43	165558	94.588	ug/l	100
31) 2,2-Dichloropropane	4.471	77	54187	20.386	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	54595	20.318	ug/l	100
33) Carbon Tetrachloride	5.672	117	45391	20.055	ug/l	96
34) Benzene	6.037	78	135517	20.011	ug/l	98
35) Methacrylonitrile	4.916	41	29642	19.119	ug/l	97
36) 1,2-Dichloroethane	6.086	62	51818	20.853	ug/l	98
37) Trichloroethene	7.123	130	34046	19.808	ug/l	99
38) Methylcyclohexane	7.379	83	59381	20.500	ug/l	98
39) 1,2-Dichloropropane	7.427	63	36356	20.356	ug/l	96
40) Dibromomethane	7.580	93	25256	20.014	ug/l	99
41) Bromodichloromethane	7.818	83	49502	20.419	ug/l	99
42) Vinyl Acetate	3.715	43	428444	102.772	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	57952	19.245	ug/l	99
44) Isopropyl Acetate	6.330	43	94380	19.882	ug/l	99
45) 1,4-Dioxane	7.653	88	18471	381.160	ug/l	95
46) Methyl methacrylate	7.690	41	53354	19.658	ug/l	96
47) n-amyl Acetate	10.841	43	77071	19.182	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	54820	19.502	ug/l	97
49) cis-1,3-Dichloropropene	8.360	75	57339	19.773	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	34305	20.012	ug/l	100
51) Ethyl methacrylate	9.110	69	43262	20.161	ug/l	97
52) 1,3-Dichloropropane	9.305	76	59126	20.115	ug/l	99
53) Dibromochloromethane	9.519	129	35578	19.325	ug/l	96
54) 1,2-Dibromoethane	9.604	107	37208	19.793	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	133144	97.891	ug/l	100
56) Bromoform	10.799	173	24953	18.780	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	308144	97.560	ug/l	99
59) 2-Hexanone	9.427	43	251689	97.079	ug/l	99
61) Tetrachloroethene	9.269	164	27176	20.068	ug/l	93
62) Toluene	8.714	91	147900	20.001	ug/l	99
64) Chlorobenzene	10.079	112	90091	20.029	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	31966	19.733	ug/l	98
66) Ethyl Benzene	10.189	91	166837	19.814	ug/l	99
67) m/p-Xylenes	10.299	106	126186	40.555	ug/l	98
68) o-Xylene	10.640	106	60203	19.975	ug/l	99
69) Styrene	10.652	104	87215	19.552	ug/l	98
70) Isopropylbenzene	10.957	105	162587	20.162	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	58620	19.472	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	50720m	19.911	ug/l	
73) Bromobenzene	11.195	156	36206	19.720	ug/l	98
74) n-propylbenzene	11.305	91	199552	20.197	ug/l	99
75) 2-Chlorotoluene	11.360	91	114924	19.826	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	139505	20.081	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	18852	18.677	ug/l	94
78) 4-Chlorotoluene	11.451	91	135180	19.836	ug/l	99
79) tert-butylbenzene	11.713	119	133118	20.151	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	137422	19.765	ug/l	99
81) sec-Butylbenzene	11.890	105	166835	19.978	ug/l	100
82) p-Isopropyltoluene	12.006	119	141025	19.925	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	70986	20.203	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	71149	19.735	ug/l	99
85) n-Butylbenzene	12.329	91	138884	19.870	ug/l	99
86) Hexachloroethane	12.536	117	25858	19.282	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	67347	19.933	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	14754	19.163	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	45340	20.241	ug/l	99
90) Hexachlorobutadiene	13.725	225	16289	20.365	ug/l	98
91) Naphthalene	13.774	128	160954	19.483	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	43156	19.890	ug/l	98

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

