

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112923\
 Data File : VX039052.D
 Acq On : 29 Nov 2023 10:53
 Operator : JC/MD
 Sample : VX1129WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1129WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 30 01:36:24 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						
1) Bromochloromethane	4.891	128	11024	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	88397	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	108127	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	44916	29.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.267%
60) 4-Bromofluorobenzene	11.079	95	70431	29.822	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.400%
63) Toluene-d8	8.647	98	128463	30.050	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	34009	20.611	ug/l	99
3) Chloromethane	1.295	50	37431	19.812	ug/l	95
4) Vinyl Chloride	1.374	62	38135	19.994	ug/l	97
5) Bromomethane	1.612	94	25929	22.226	ug/l	97
6) Chloroethane	1.691	64	22036	19.839	ug/l	92
7) Trichlorofluoromethane	1.892	101	52904	20.097	ug/l	97
8) Diethyl Ether	2.130	74	20181	19.971	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	32188	21.638	ug/l	97
10) 1,1-Dichloroethene	2.319	96	31221	20.821	ug/l	99
11) Methyl Iodide	2.453	142	34081	20.741	ug/l	96
12) Methyl Acetate	2.697	43	93170	19.922	ug/l	96
13) Acrolein	2.233	56	43273	105.621	ug/l	99
14) Acrylonitrile	3.056	53	117690	102.889	ug/l	97
15) Acetone	2.374	58	39772	95.655	ug/l	98
16) Carbon Disulfide	2.514	76	87969	19.370	ug/l	98
17) Allyl chloride	2.660	41	60915	20.464	ug/l	97
18) Methylene Chloride	2.788	84	36447	20.505	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	34638	20.424	ug/l	96
20) Diisopropyl ether	3.758	45	118066	20.842	ug/l	91
21) 1,1-Dichloroethane	3.605	63	63484	20.156	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	40274	20.491	ug/l	98
23) tert-Butyl Alcohol	2.941	59	56733	89.592	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	111920	20.261	ug/l	100
25) Chloroform	5.087	83	64487	20.400	ug/l	95
26) Cyclohexane	5.465	56	58413	20.491	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	49870	20.125	ug/l	99
30) 2-Butanone	4.544	43	180237	96.606	ug/l	100
31) 2,2-Dichloropropane	4.471	77	55821	19.702	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	57157	19.956	ug/l	97
33) Carbon Tetrachloride	5.672	117	47638	19.746	ug/l	97
34) Benzene	6.031	78	145947	20.218	ug/l	98
35) Methacrylonitrile	4.910	41	33366	20.190	ug/l	94
36) 1,2-Dichloroethane	6.080	62	51596	19.480	ug/l	99
37) Trichloroethene	7.123	130	36412	19.874	ug/l	97
38) Methylcyclohexane	7.379	83	61487	19.914	ug/l	97
39) 1,2-Dichloropropane	7.428	63	36361	19.099	ug/l	99
40) Dibromomethane	7.580	93	26292	19.546	ug/l	99
41) Bromodichloromethane	7.818	83	50571	19.570	ug/l #	96
42) Vinyl Acetate	3.715	43	446930	100.576	ug/l	99

11/30/2023
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.702	43	62878	19.589	ug/l	#	80
44) Isopropyl Acetate	6.330	43	99396	19.644	ug/l		99
45) 1,4-Dioxane	7.653	88	18952	366.899	ug/l		95
46) Methyl methacrylate	7.690	41	55963	19.344	ug/l		97
47) n-amyl Acetate	10.842	43	80640	18.829	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	56906	18.992	ug/l		98
49) cis-1,3-Dichloropropene	8.360	75	61049	19.750	ug/l		99
50) 1,1,2-Trichloroethane	9.147	97	37210	20.364	ug/l		96
51) Ethyl methacrylate	9.110	69	45520	19.901	ug/l		96
52) 1,3-Dichloropropane	9.305	76	62135	19.831	ug/l		99
53) Dibromochloromethane	9.519	129	37419	19.068	ug/l		100
54) 1,2-Dibromoethane	9.610	107	39293	19.609	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	136684	94.278	ug/l		99
56) Bromoform	10.799	173	26350	18.605	ug/l		98
58) 4-Methyl-2-Pentanone	8.568	43	332769	101.487	ug/l		99
59) 2-Hexanone	9.427	43	269632	100.180	ug/l		99
61) Tetrachloroethene	9.269	164	28263	20.104	ug/l		96
62) Toluene	8.714	91	157569	20.526	ug/l		100
64) Chlorobenzene	10.080	112	95539	20.460	ug/l		97
65) 1,1,1,2-Tetrachloroethane	10.159	131	34038	20.240	ug/l		98
66) Ethyl Benzene	10.189	91	178552	20.426	ug/l		98
67) m/p-Xylenes	10.299	106	132305	40.960	ug/l		98
68) o-Xylene	10.640	106	63189	20.195	ug/l		99
69) Styrene	10.653	104	92186	19.908	ug/l		99
70) Isopropylbenzene	10.957	105	171288	20.461	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.207	83	62718	20.069	ug/l		99
72) 1,2,3-Trichloropropane	11.238	75	54501m	20.609	ug/l		
73) Bromobenzene	11.195	156	37013	19.420	ug/l		99
74) n-propylbenzene	11.305	91	209818	20.457	ug/l		100
75) 2-Chlorotoluene	11.360	91	122816	20.410	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	147638	20.471	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	19359	18.475	ug/l		96
78) 4-Chlorotoluene	11.451	91	141477	19.997	ug/l		100
79) tert-butylbenzene	11.713	119	139672	20.367	ug/l		97
80) 1,2,4-Trimethylbenzene	11.750	105	144980	20.086	ug/l		100
81) sec-Butylbenzene	11.890	105	175961	20.297	ug/l		99
82) p-Isopropyltoluene	12.006	119	146445	19.931	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	74440	20.408	ug/l		98
84) 1,4-Dichlorobenzene	12.043	146	74753	19.973	ug/l		99
85) n-Butylbenzene	12.329	91	148074	20.407	ug/l		98
86) Hexachloroethane	12.536	117	27137	19.492	ug/l		99
87) 1,2-Dichlorobenzene	12.335	146	69595	19.842	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	15368	19.228	ug/l		96
89) 1,2,4-Trichlorobenzene	13.585	180	46680	20.073	ug/l		96
90) Hexachlorobutadiene	13.725	225	17888	21.543	ug/l		99
91) Naphthalene	13.774	128	167441	19.524	ug/l		100
92) 1,2,3-Trichlorobenzene	13.963	180	46519	20.652	ug/l		99

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

