

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031925\
 Data File : VX045341.D
 Acq On : 19 Mar 2025 11:41
 Operator : JC/MD
 Sample : VX0319WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/20/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 20 01:31:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	18710	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	97348	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	87335	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58087	31.965	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.533%	
60) 4-Bromofluorobenzene	11.079	95	50712	31.066	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.567%	
63) Toluene-d8	8.647	98	150287	31.105	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.700%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27543	17.463	ug/l	97
3) Chloromethane	1.306	50	28787	15.238	ug/l	98
4) Vinyl Chloride	1.373	62	28568	15.672	ug/l	99
5) Bromomethane	1.593	94	12784	20.147	ug/l	97
6) Chloroethane	1.666	64	16301	16.511	ug/l	94
7) Trichlorofluoromethane	1.873	101	42772	17.458	ug/l	99
8) Diethyl Ether	2.129	74	14742	15.903	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	27937	19.199	ug/l	99
10) 1,1-Dichloroethene	2.312	96	25457	17.911	ug/l	91
11) Methyl Iodide	2.446	142	31061	19.309	ug/l	99
12) Methyl Acetate	2.702	43	51249	31.051	ug/l	100
13) Acrolein	2.233	56	34448	104.128	ug/l	99
14) Acrylonitrile	3.062	53	85508	106.065	ug/l	99
15) Acetone	2.379	58	27200	123.020	ug/l	93
16) Carbon Disulfide	2.501	76	59047	14.646	ug/l	99
17) Allyl chloride	2.660	41	48978	18.424	ug/l	100
18) Methylene Chloride	2.782	84	29343	18.355	ug/l	93
19) trans-1,2-Dichloroethene	3.080	96	25174	17.507	ug/l	89
20) Diisopropyl ether	3.757	45	95879	18.769	ug/l	94
21) 1,1-Dichloroethane	3.605	63	53526	18.840	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	31543	18.305	ug/l	96
23) tert-Butyl Alcohol	2.971	59	24683	87.702	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	88622	19.104	ug/l	96
25) Chloroform	5.086	83	53809	19.609	ug/l	94
26) Cyclohexane	5.458	56	47478	18.105	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	35508	19.829	ug/l	99
30) 2-Butanone	4.556	43	124731	120.592	ug/l #	96
31) 2,2-Dichloropropane	4.464	77	38109	18.821	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	45029	20.753	ug/l	96
33) Carbon Tetrachloride	5.671	117	37350	20.397	ug/l	98
34) Benzene	6.031	78	111274	19.815	ug/l	99
35) Methacrylonitrile	4.915	41	24698	22.314	ug/l	93
36) 1,2-Dichloroethane	6.080	62	43307	22.525	ug/l	96
37) Trichloroethene	7.116	130	25366	19.308	ug/l	99
38) Methylcyclohexane	7.372	83	46548	19.359	ug/l	99
39) 1,2-Dichloropropane	7.427	63	27000	19.339	ug/l	97
40) Dibromomethane	7.580	93	21007	20.968	ug/l	99
41) Bromodichloromethane	7.817	83	41380	20.781	ug/l	97
42) Vinyl Acetate	3.714	43	385398	96.020	ug/l	99

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 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	42770	22.050	ug/l	96
44) Isopropyl Acetate	6.336	43	68513	21.461	ug/l	96
45) 1,4-Dioxane	7.659	88	11324	341.216	ug/l	95
46) Methyl methacrylate	7.689	41	34428	21.993	ug/l	95
47) n-amyl Acetate	10.841	43	52245	18.859	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	35099	18.287	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	40766	18.763	ug/l	96
50) 1,1,2-Trichloroethane	9.146	97	26276	20.107	ug/l	91
51) Ethyl methacrylate	9.116	69	40819	19.861	ug/l	97
52) 1,3-Dichloropropane	9.305	76	47347	20.677	ug/l	99
53) Dibromochloromethane	9.518	129	28807	19.931	ug/l	95
54) 1,2-Dibromoethane	9.610	107	27720	20.889	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	134939	127.852	ug/l	99
56) Bromoform	10.799	173	17591	19.423	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	232649	117.104	ug/l	98
59) 2-Hexanone	9.427	43	168179	117.117	ug/l	98
61) Tetrachloroethene	9.268	164	22715	21.122	ug/l	92
62) Toluene	8.714	91	117162	20.251	ug/l	97
64) Chlorobenzene	10.079	112	70773	19.741	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.158	131	23503	19.868	ug/l	97
66) Ethyl Benzene	10.189	91	128869	20.346	ug/l	94
67) m/p-Xylenes	10.299	106	95456	40.449	ug/l	97
68) o-Xylene	10.640	106	46776	20.202	ug/l	99
69) Styrene	10.652	104	75588	19.546	ug/l	95
70) Isopropylbenzene	10.957	105	122673	20.530	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	41766	21.256	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	34845m	21.561	ug/l	
73) Bromobenzene	11.195	156	26203	19.049	ug/l	91
74) n-propylbenzene	11.298	91	144108	20.266	ug/l	98
75) 2-Chlorotoluene	11.359	91	87403	20.332	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	101121	20.514	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	10179	18.721	ug/l	80
78) 4-Chlorotoluene	11.451	91	94815	19.786	ug/l	98
79) tert-butylbenzene	11.713	119	100381	20.210	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	97734	19.793	ug/l	99
81) sec-Butylbenzene	11.890	105	125693	20.164	ug/l	99
82) p-Isopropyltoluene	12.006	119	100832	19.964	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	49719	19.427	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	48044	19.039	ug/l	99
85) n-Butylbenzene	12.329	91	89565	19.419	ug/l	99
86) Hexachloroethane	12.536	117	16666	18.710	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	49194	19.590	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.938	75	8326	21.886	ug/l	88
89) 1,2,4-Trichlorobenzene	13.585	180	28116	18.473	ug/l	98
90) Hexachlorobutadiene	13.725	225	12380	19.946	ug/l	99
91) Naphthalene	13.774	128	103348	19.257	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	29175	18.620	ug/l	99

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

