

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012125\
 Data File : VX044681.D
 Acq On : 21 Jan 2025 15:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VICV660

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/22/2025
 Supervised By :Semsettin Yesilyurt 01/22/2025

Quant Time: Jan 22 01:26:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 22 01:17:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	286342	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	246359	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	103875	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	105072	42.519	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.040%
7) Chloroethane-d5	1.642	69	26661m	41.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.760%
11) 1,1-Dichloroethene-d2	2.294	65	41579	44.565	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.140%
21) 2-Butanone-d5	4.452	46	113316	91.474	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.470%
24) Chloroform-d	5.044	84	175158	42.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.760%
26) 1,2-Dichloroethane-d4	5.940	65	108712	40.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.700%
32) Benzene-d6	5.958	84	350648	42.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.300%
36) 1,2-Dichloropropane-d6	7.299	67	112413	43.257	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.520%
41) Toluene-d8	8.641	98	313482	42.650	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.300%
43) trans-1,3-Dichloroprop...	8.945	79	56349	42.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.620%
47) 2-Hexanone-d5	9.384	63	68855	92.225	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.220%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	137118	43.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.540%
66) 1,2-Dichlorobenzene-d4	12.317	152	96230	43.109	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.160	85	70450	42.095	ug/L	99
3) Chloromethane	1.294	50	83147	41.050	ug/L	98
5) Vinyl chloride	1.374	62	85016	41.883	ug/L	99
6) Bromomethane	1.593	94	19228	40.254	ug/L	98
8) Chloroethane	1.660	64	19798m	47.467	ug/L	
9) Trichlorofluoromethane	1.861	101	76438	41.620	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	71677	46.539	ug/L	99
12) 1,1-Dichloroethene	2.306	96	66094	46.135	ug/L	86
13) Acetone	2.380	43	79001	106.451	ug/L	98
14) Carbon disulfide	2.502	76	190709	42.406	ug/L	100
15) Methyl Acetate	2.697	43	81264	45.687	ug/L	99
16) Methylene chloride	2.782	84	76287	43.035	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	68833	42.890	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	247463	42.849	ug/L	99
19) 1,1-Dichloroethane	3.599	63	135619	42.713	ug/L	99
20) cis-1,2-Dichloroethene	4.471	96	82778	42.704	ug/L	98
22) 2-Butanone	4.556	43	112513	96.886	ug/L	100
23) Bromochloromethane	4.885	128	40828	42.983	ug/L	94
25) Chloroform	5.080	83	137726	42.331	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.074	62	109367	43.549	ug/L	98
29) Cyclohexane	5.452	56	131440	44.525	ug/L	99
30) 1,1,1-Trichloroethane	5.367	97	119803	42.892	ug/L	100
31) Carbon tetrachloride	5.660	117	102449	42.695	ug/L	99
33) Benzene	6.025	78	301237	43.532	ug/L	100
34) Trichloroethene	7.117	95	76734	42.601	ug/L	98
35) Methylcyclohexane	7.367	83	130120	43.895	ug/L	97
37) 1,2-Dichloropropane	7.421	63	81940	43.817	ug/L	99
38) Bromodichloromethane	7.812	83	108116	42.694	ug/L	100
39) cis-1,3-Dichloropropene	8.360	75	137405	42.728	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	211505	94.305	ug/L	99
42) Toluene	8.714	91	314824	43.917	ug/L	99
44) trans-1,3-Dichloropropene	8.970	75	125925	43.280	ug/L	97
45) 1,1,2-Trichloroethane	9.147	97	76968	42.275	ug/L	99
46) Tetrachloroethene	9.269	164	54379	44.071	ug/L	98
48) 2-Hexanone	9.433	43	153437	92.952	ug/L	98
49) Dibromochloromethane	9.512	129	79982	42.423	ug/L	99
50) 1,2-Dibromoethane	9.604	107	80444	43.359	ug/L	100
51) Chlorobenzene	10.073	112	192422	43.501	ug/L	100
52) Ethylbenzene	10.189	91	337835	43.706	ug/L	100
53) m,p-Xylene	10.299	106	127711	44.171	ug/L	97
54) o-Xylene	10.640	106	126336	44.015	ug/L	99
55) Styrene	10.653	104	206706	44.471	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.207	83	118769	44.925	ug/L	97
59) Bromoform	10.799	173	55674	42.375	ug/L	99
60) Isopropylbenzene	10.957	105	321272	43.511	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	90102	44.192	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	266912	43.540	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	264356	44.333	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	128676	43.410	ug/L	98
65) 1,4-Dichlorobenzene	12.036	146	129191	43.444	ug/L	99
67) 1,2-Dichlorobenzene	12.329	146	130643	43.945	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	26211	44.715	ug/L	92
69) 1,3,5-Trichlorobenzene	13.109	180	84594	43.809	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	77353	44.482	ug/L	98
71) Naphthalene	13.774	128	304408	45.694	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	79201	44.352	ug/L	97

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

