

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044659.D
 Acq On : 16 Jan 2025 08:39
 Operator :
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	31935	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	175523	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	154224	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	93745	30.407	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	11.079	95	89238	29.790	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.300%			
63) Toluene-d8	8.641	98	258118	30.772	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.567%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13478m	5.255	ug/l	
3) Chloromethane	1.294	50	15014	5.027	ug/l	99
4) Vinyl Chloride	1.374	62	14464	4.949	ug/l	93
5) Bromomethane	1.593	94	3833	5.432	ug/l	97
6) Chloroethane	1.660	64	1795	3.804	ug/l	91
7) Trichlorofluoromethane	1.867	101	16029	5.008	ug/l	96
8) Diethyl Ether	2.130	74	6314	5.114	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	11362	4.955	ug/l	99
10) 1,1-Dichloroethene	2.306	96	12297	5.213	ug/l	93
11) Methyl Iodide	2.441	142	16127	4.934	ug/l	98
12) Methyl Acetate	2.703	43	16652	4.835	ug/l	100
13) Acrolein	2.233	56	12799	33.611	ug/l	99
14) Acrylonitrile	3.062	53	32592	25.973	ug/l	99
15) Acetone	2.386	58	8941	26.553	ug/l	95
16) Carbon Disulfide	2.501	76	31970	4.877	ug/l	98
17) Allyl chloride	2.654	41	20504	4.820	ug/l	99
18) Methylene Chloride	2.782	84	13392	5.071	ug/l	88
19) trans-1,2-Dichloroethene	3.081	96	12096	5.157	ug/l	90
20) Diisopropyl ether	3.757	45	40086	5.192	ug/l #	86
21) 1,1-Dichloroethane	3.599	63	22559	4.925	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	14274	4.917	ug/l	94
23) tert-Butyl Alcohol	2.977	59	17704m	32.520	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	41947	5.132	ug/l	100
25) Chloroform	5.080	83	22809	5.012	ug/l	98
26) Cyclohexane	5.452	56	20174	5.241	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	15595	5.108	ug/l	96
30) 2-Butanone	4.562	43	44109	26.301	ug/l	99
31) 2,2-Dichloropropane	4.458	77	22402m	5.303	ug/l	
32) 1,1,1-Trichloroethane	5.373	97	21324	5.270	ug/l	100
33) Carbon Tetrachloride	5.659	117	18012	5.277	ug/l	94
34) Benzene	6.025	78	50311	5.165	ug/l	100
35) Methacrylonitrile	4.922	41	9621	5.133	ug/l	96
36) 1,2-Dichloroethane	6.080	62	17847	5.125	ug/l #	92
37) Trichloroethene	7.116	130	11515	4.896	ug/l	98
38) Methylcyclohexane	7.366	83	21311	5.138	ug/l	99
39) 1,2-Dichloropropane	7.421	63	12181	5.015	ug/l	93
40) Dibromomethane	7.574	93	9326	5.165	ug/l	96
41) Bromodichloromethane	7.818	83	19506	5.231	ug/l	97
42) Vinyl Acetate	3.715	43	176672	26.526	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044659.D
 Acq On : 16 Jan 2025 08:39
 Operator :
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	15761	4.791	ug/l	# 95
44) Isopropyl Acetate	6.342	43	29728	5.030	ug/l	99
45) 1,4-Dioxane	7.671	88	6188	109.953	ug/l	98
46) Methyl methacrylate	7.696	41	14808	5.119	ug/l	91
47) n-amyl Acetate	10.841	43	25825	5.207	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	19698	5.005	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	21573	5.112	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	12425	5.334	ug/l	95
51) Ethyl methacrylate	9.116	69	20798	5.148	ug/l	95
52) 1,3-Dichloropropane	9.305	76	21568	5.362	ug/l	99
53) Dibromochloromethane	9.518	129	14835	5.338	ug/l	97
54) 1,2-Dibromoethane	9.610	107	13144	5.346	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	55031	28.109	ug/l	100
56) Bromoform	10.799	173	9949	5.399	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	88064	27.090	ug/l	100
59) 2-Hexanone	9.433	43	64656	27.167	ug/l	99
61) Tetrachloroethene	9.269	164	9388	5.075	ug/l	94
62) Toluene	8.714	91	53894	5.307	ug/l	97
64) Chlorobenzene	10.073	112	32777	5.197	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	11815	5.215	ug/l	97
66) Ethyl Benzene	10.189	91	56887	5.133	ug/l	99
67) m/p-Xylenes	10.299	106	43104	10.581	ug/l	99
68) o-Xylene	10.640	106	21611	5.286	ug/l	99
69) Styrene	10.652	104	35022	5.217	ug/l	99
70) Isopropylbenzene	10.957	105	54978	5.349	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	19252	5.562	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	15260m	5.249	ug/l	
73) Bromobenzene	11.195	156	12540	5.237	ug/l	98
74) n-propylbenzene	11.299	91	59373	5.082	ug/l	99
75) 2-Chlorotoluene	11.360	91	38923	5.300	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	44812	5.369	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	7275	5.290	ug/l	95
78) 4-Chlorotoluene	11.451	91	42547	5.261	ug/l	100
79) tert-butylbenzene	11.713	119	46656	5.441	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	44923	5.334	ug/l	99
81) sec-Butylbenzene	11.890	105	53980	5.272	ug/l	98
82) p-Isopropyltoluene	12.006	119	43716	5.187	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	21317	5.012	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	20782	4.984	ug/l	100
85) n-Butylbenzene	12.329	91	35040	4.797	ug/l	99
86) Hexachloroethane	12.536	117	10162	5.481	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	22448	5.286	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4748	5.705	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	12251	4.642	ug/l	99
90) Hexachlorobutadiene	13.719	225	5203	5.096	ug/l	98
91) Naphthalene	13.774	128	48452	4.907	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	12639	4.708	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044659.D
Acq On : 16 Jan 2025 08:39
Operator :
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration

