

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084405.D
 Acq On : 14 Oct 2024 10:43
 Operator : JC\MD
 Sample : VN1014WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:31:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	30503	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	155557	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	147985	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	72693	29.601	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.667%
60) 4-Bromofluorobenzene	12.847	95	76312	31.245	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.167%
63) Toluene-d8	10.565	98	209575	30.570	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.130	85	32114	17.244	ug/l	100
3) Chloromethane	2.360	50	37226	17.565	ug/l	100
4) Vinyl Chloride	2.512	62	36252	17.443	ug/l	95
5) Bromomethane	2.959	94	22476	16.323	ug/l	99
6) Chloroethane	3.118	64	23603	17.323	ug/l	98
7) Trichlorofluoromethane	3.495	101	58933	17.409	ug/l	97
8) Diethyl Ether	3.959	74	20451	16.432	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	33702	17.706	ug/l	100
10) 1,1-Dichloroethene	4.342	96	31305	16.483	ug/l	92
11) Methyl Iodide	4.595	142	42927	17.199	ug/l	93
12) Methyl Acetate	5.024	43	43240	18.185	ug/l	99
13) Acrolein	4.183	56	46218	104.638	ug/l	96
14) Acrylonitrile	5.724	53	93060	87.116	ug/l	99
15) Acetone	4.424	58	29635	97.116	ug/l	88
16) Carbon Disulfide	4.712	76	90936	16.078	ug/l	99
17) Allyl chloride	5.018	41	48645	15.800	ug/l	93
18) Methylene Chloride	5.271	84	38225	17.866	ug/l #	91
19) trans-1,2-Dichloroethene	5.783	96	33783	16.807	ug/l	90
20) Diisopropyl ether	6.671	45	113347	17.123	ug/l	95
21) 1,1-Dichloroethane	6.565	63	66307	17.457	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	41498	17.742	ug/l	98
23) tert-Butyl Alcohol	5.518	59	33001	80.540	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	110268	17.373	ug/l #	86
25) Chloroform	7.971	83	69829	18.152	ug/l	96
26) Cyclohexane	8.253	56	49162	15.475	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	45162	17.686	ug/l	98
30) 2-Butanone	7.483	43	129018	94.895	ug/l	99
31) 2,2-Dichloropropane	7.489	77	57001	18.995	ug/l #	80
32) 1,1,1-Trichloroethane	8.171	97	61228	18.759	ug/l	100
33) Carbon Tetrachloride	8.359	117	51320	18.149	ug/l	95
34) Benzene	8.600	78	150794	18.865	ug/l	97
35) Methacrylonitrile	7.777	41	27082	18.672	ug/l	95
36) 1,2-Dichloroethane	8.671	62	51821	19.449	ug/l	99
37) Trichloroethene	9.353	130	34274	18.620	ug/l	97
38) Methylcyclohexane	9.600	83	46734	16.661	ug/l	97
39) 1,2-Dichloropropane	9.618	63	36890	18.925	ug/l	96
40) Dibromomethane	9.706	93	26984	19.807	ug/l	99
41) Bromodichloromethane	9.888	83	56019	19.369	ug/l	92
42) Vinyl Acetate	6.606	43	429694	90.873	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084405.D
 Acq On : 14 Oct 2024 10:43
 Operator : JC\MD
 Sample : VN1014WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:31:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	46498	17.341	ug/l	95
44) Isopropyl Acetate	8.689	43	81050	18.468	ug/l	100
45) 1,4-Dioxane	9.694	88	15233	385.034	ug/l	97
46) Methyl methacrylate	9.677	41	37595	17.729	ug/l	96
47) n-amyl Acetate	12.494	43	68012	17.422	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	53179	17.794	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	58834	18.784	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	36156	19.745	ug/l	97
51) Ethyl methacrylate	10.871	69	53075	17.548	ug/l	94
52) 1,3-Dichloropropane	11.165	76	61900	19.333	ug/l	98
53) Dibromochloromethane	11.359	129	41450	19.162	ug/l	96
54) 1,2-Dibromoethane	11.471	107	35684	18.932	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	140967	102.758	ug/l	99
56) Bromoform	12.576	173	27828	19.397	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	254224	92.220	ug/l	99
59) 2-Hexanone	11.194	43	187009	91.292	ug/l	100
61) Tetrachloroethene	11.100	164	31429	18.776	ug/l	96
62) Toluene	10.630	91	160239	18.496	ug/l	97
64) Chlorobenzene	11.888	112	98741	18.316	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	36072	19.260	ug/l	100
66) Ethyl Benzene	11.965	91	164535	17.481	ug/l	99
67) m/p-Xylenes	12.071	106	128400	35.961	ug/l	100
68) o-Xylene	12.400	106	62416	18.135	ug/l	98
69) Styrene	12.412	104	105779	17.904	ug/l	99
70) Isopropylbenzene	12.694	105	155249	17.670	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	51874	19.085	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	43884m	18.852	ug/l	
73) Bromobenzene	12.982	156	38881	18.272	ug/l	98
74) n-propylbenzene	13.035	91	186060	17.771	ug/l	99
75) 2-Chlorotoluene	13.124	91	118142	18.159	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	134012	18.115	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17218	17.310	ug/l	97
78) 4-Chlorotoluene	13.224	91	122772	18.560	ug/l	99
79) tert-butylbenzene	13.435	119	111876	17.726	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	136153	18.139	ug/l	100
81) sec-Butylbenzene	13.618	105	155682	17.917	ug/l	100
82) p-Isopropyltoluene	13.729	119	128034	17.506	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	73966	18.695	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	72356	18.416	ug/l	99
85) n-Butylbenzene	14.053	91	106423	16.801	ug/l	99
86) Hexachloroethane	14.335	117	25339	17.983	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	72014	18.825	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	10273	18.482	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	34632	17.412	ug/l	96
90) Hexachlorobutadiene	15.500	225	16171	17.575	ug/l	96
91) Naphthalene	15.641	128	104909	15.566	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	34632	17.412	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084405.D
 Acq On : 14 Oct 2024 10:43
 Operator : JC\MD
 Sample : VN1014WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:31:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

