

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083707.D
 Acq On : 09 Sep 2024 09:39
 Operator : JC\MD
 Sample : VN0909WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Manual Integrations
 APPROVED

Reviewed By :John

Carlone

09/10/2024

Supervised By :Mahesh

Dadoda

09/10/2024

Quant Time: Sep 10 01:15:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	29833	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175066	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	158507	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81718	29.967	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.900%		
60) 4-Bromofluorobenzene	12.847	95	78929	28.892	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.300%		
63) Toluene-d8	10.565	98	218728	29.802	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.333%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36924	18.482	ug/l	100
3) Chloromethane	2.359	50	38978	18.777	ug/l	100
4) Vinyl Chloride	2.512	62	39848	18.673	ug/l	99
5) Bromomethane	2.906	94	22581	18.940	ug/l	92
6) Chloroethane	3.083	64	30409	21.280	ug/l	100
7) Trichlorofluoromethane	3.471	101	65825	18.399	ug/l	94
8) Diethyl Ether	3.959	74	22078	18.161	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.353	101	35193	18.313	ug/l	94
10) 1,1-Dichloroethene	4.330	96	33940	18.305	ug/l	92
11) Methyl Iodide	4.583	142	44361	17.614	ug/l	96
12) Methyl Acetate	5.024	43	41644	18.623	ug/l #	83
13) Acrolein	4.171	56	34083	104.439	ug/l	98
14) Acrylonitrile	5.718	53	86614	95.714	ug/l	99
15) Acetone	4.430	58	29393	97.917	ug/l #	59
16) Carbon Disulfide	4.700	76	91111	17.387	ug/l #	93
17) Allyl chloride	5.018	41	59446	18.282	ug/l	89
18) Methylene Chloride	5.271	84	36750	18.116	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	35051	18.239	ug/l	96
20) Diisopropyl ether	6.665	45	123284	18.775	ug/l #	94
21) 1,1-Dichloroethane	6.565	63	68588	18.295	ug/l	95
22) cis-1,2-Dichloroethene	7.483	96	42364	18.112	ug/l	91
23) tert-Butyl Alcohol	5.536	59	33684m	101.436	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	123203	18.698	ug/l #	88
25) Chloroform	7.965	83	73985	18.621	ug/l	97
26) Cyclohexane	8.253	56	59120	17.904	ug/l #	88
29) 1,1-Dichloropropene	8.365	75	50193	18.076	ug/l	96
30) 2-Butanone	7.483	43	132211	101.006	ug/l	94
31) 2,2-Dichloropropane	7.489	77	65724	18.565	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	67912	18.313	ug/l	98
33) Carbon Tetrachloride	8.359	117	58274	18.146	ug/l	98
34) Benzene	8.600	78	155085	18.614	ug/l #	96
35) Methacrylonitrile	7.777	41	28773	19.554	ug/l	95
36) 1,2-Dichloroethane	8.665	62	58242	18.595	ug/l #	94
37) Trichloroethene	9.347	130	34530	17.649	ug/l	91
38) Methylcyclohexane	9.600	83	58498	17.596	ug/l	95
39) 1,2-Dichloropropane	9.618	63	36364	18.135	ug/l	99
40) Dibromomethane	9.706	93	26753	18.247	ug/l	94
41) Bromodichloromethane	9.888	83	57105	18.316	ug/l	99
42) Vinyl Acetate	6.600	43	469486	87.237	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083707.D
 Acq On : 09 Sep 2024 09:39
 Operator : JC\MD
 Sample : VN0909WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 09/10/2024

Supervised By :Mahesh
 Dadoda
 09/10/2024

Quant Time: Sep 10 01:15:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	50334	19.105	ug/l	96
44) Isopropyl Acetate	8.688	43	85650	18.796	ug/l	94
45) 1,4-Dioxane	9.694	88	13825	388.980	ug/l	91
46) Methyl methacrylate	9.682	41	41695	18.904	ug/l	82
47) n-amyl Acetate	12.494	43	76508	18.954	ug/l	91
48) t-1,3-Dichloropropene	10.835	75	58257	17.764	ug/l	93
49) cis-1,3-Dichloropropene	10.312	75	59900	17.563	ug/l #	78
50) 1,1,2-Trichloroethane	11.018	97	34819	18.663	ug/l	97
51) Ethyl methacrylate	10.871	69	58239	18.272	ug/l	77
52) 1,3-Dichloropropane	11.159	76	62684	18.605	ug/l	99
53) Dibromochloromethane	11.359	129	40594	18.141	ug/l	99
54) 1,2-Dibromoethane	11.471	107	36336	18.826	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	128283	100.989	ug/l	99
56) Bromoform	12.576	173	24827	17.463	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	247335	98.410	ug/l #	88
59) 2-Hexanone	11.194	43	191280	100.722	ug/l	87
61) Tetrachloroethene	11.100	164	29682	17.694	ug/l	96
62) Toluene	10.629	91	165466	18.162	ug/l	99
64) Chlorobenzene	11.888	112	100001	17.728	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	35961	18.301	ug/l	98
66) Ethyl Benzene	11.965	91	179613	17.336	ug/l	100
67) m/p-Xylenes	12.071	106	134763	35.354	ug/l	98
68) o-Xylene	12.400	106	66162	17.934	ug/l	98
69) Styrene	12.412	104	108009	17.327	ug/l	98
70) Isopropylbenzene	12.694	105	172529	17.722	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	49715	18.697	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	44536m	19.103	ug/l	
73) Bromobenzene	12.982	156	39028	17.453	ug/l	92
74) n-propylbenzene	13.035	91	194925	17.104	ug/l	100
75) 2-Chlorotoluene	13.123	91	121355	17.061	ug/l	96
76) 1,3,5-Trimethylbenzene	13.170	105	145775	17.925	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	18190	18.459	ug/l	78
78) 4-Chlorotoluene	13.223	91	121506	16.844	ug/l	99
79) tert-butylbenzene	13.435	119	127376	17.912	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	146336	17.807	ug/l	100
81) sec-Butylbenzene	13.612	105	168987	17.395	ug/l	100
82) p-Isopropyltoluene	13.729	119	142180	17.395	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	71513	16.616	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	72270	16.796	ug/l	99
85) n-Butylbenzene	14.053	91	119627	16.585	ug/l	98
86) Hexachloroethane	14.335	117	27442	17.717	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	72527	17.364	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11147	19.075	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	37935	16.578	ug/l	98
90) Hexachlorobutadiene	15.500	225	16342	17.254	ug/l	98
91) Naphthalene	15.641	128	124740	16.674	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	37935	16.578	ug/l	98

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

