

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074023.D
 Acq On : 19 Aug 2022 13:46
 Operator : JC\MD
 Sample : VN0819WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

08/22/2022
 Supervised By : Mahesh
 Dadoda

Quant Time: Aug 20 02:45:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.586	128	69669	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	374747	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	340916	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	176414	29.287	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.633%
60) 4-Bromofluorobenzene	12.668	95	186856	30.955	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.167%
63) Toluene-d8	10.380	98	566419	29.507	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.051	85	90917	19.199	ug/l	96
3) Chloromethane	2.269	50	109395	17.473	ug/l	97
4) Vinyl Chloride	2.404	62	124743	16.233	ug/l	98
5) Bromomethane	2.810	94	64836	16.608	ug/l	99
6) Chloroethane	2.969	64	80112	15.388	ug/l	100
7) Trichlorofluoromethane	3.316	101	172825	22.865	ug/l	98
8) Diethyl Ether	3.769	74	61861	20.339	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.140	101	88641	19.453	ug/l #	41
10) 1,1-Dichloroethene	4.116	96	82285	18.865	ug/l	97
11) Methyl Iodide	4.345	142	89030	17.695	ug/l	90
12) Methyl Acetate	4.775	43	147813	19.940	ug/l	99
13) Acrolein	3.981	56	139772	107.259	ug/l	98
14) Acrylonitrile	5.475	53	327573	95.748	ug/l	96
15) Acetone	4.216	58	90631	95.290	ug/l	84
16) Carbon Disulfide	4.457	76	201003	16.863	ug/l	97
17) Allyl chloride	4.763	41	130783	17.976	ug/l	83
18) Methylene Chloride	5.016	84	104842	18.970	ug/l	95
19) trans-1,2-Dichloroethene	5.516	96	90386	18.690	ug/l	98
20) Diisopropyl ether	6.410	45	287885	18.190	ug/l	96
21) 1,1-Dichloroethane	6.310	63	170995	18.309	ug/l	96
22) cis-1,2-Dichloroethene	7.251	96	114459	19.675	ug/l	91
23) tert-Butyl Alcohol	5.292	59	131317	108.611	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	307979	20.036	ug/l	91
25) Chloroform	7.745	83	183299	19.015	ug/l	90
26) Cyclohexane	8.028	56	139955	17.374	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	125269	17.890	ug/l	98
30) 2-Butanone	7.263	43	448097	92.573	ug/l	97
31) 2,2-Dichloropropane	7.251	77	138848	19.003	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	161953	19.983	ug/l	97
33) Carbon Tetrachloride	8.133	117	140457	20.211	ug/l	94
34) Benzene	8.392	78	407917	18.003	ug/l	98
35) Methacrylonitrile	7.569	41	77869	19.818	ug/l	93
36) 1,2-Dichloroethane	8.463	62	142806	19.113	ug/l #	93
37) Trichloroethene	9.151	130	107587	19.300	ug/l	96
38) Methylcyclohexane	9.392	83	152735	17.571	ug/l	97
39) 1,2-Dichloropropane	9.427	63	102992	18.017	ug/l	97
40) Dibromomethane	9.516	93	76247	19.657	ug/l	83
41) Bromodichloromethane	9.698	83	141224	18.599	ug/l	96
42) Vinyl Acetate	6.351	43	1248012	89.476	ug/l #	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074023.D
 Acq On : 19 Aug 2022 13:46
 Operator : JC\MD
 Sample : VN0819WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

08/22/2022
 Supervised By : Mahesh
 Dadoda

Quant Time: Aug 20 02:45:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.333	43	168265	18.311	ug/l	99	08/22/2022
44) Isopropyl Acetate	8.498	43	238433	18.659	ug/l	92	
45) 1,4-Dioxane	9.504	88	62572	410.656	ug/l	95	
46) Methyl methacrylate	9.498	41	103501	18.112	ug/l	81	
47) n-amyl Acetate	12.327	43	189268	18.578	ug/l	95	
48) t-1,3-Dichloropropene	10.663	75	145989	18.676	ug/l	99	
49) cis-1,3-Dichloropropene	10.127	75	160170	18.454	ug/l #	86	
50) 1,1,2-Trichloroethane	10.839	97	110344	18.962	ug/l	98	
51) Ethyl methacrylate	10.704	69	167794	19.179	ug/l	80	
52) 1,3-Dichloropropane	10.986	76	182727	18.629	ug/l	98	
53) Dibromochloromethane	11.180	129	117493	19.923	ug/l	98	
54) 1,2-Dibromoethane	11.286	107	116778	19.691	ug/l	96	
55) 2-Chloroethyl vinyl ether	9.980	63	425547	108.449	ug/l	97	
56) Bromoform	12.398	173	93732	20.225	ug/l #	98	
58) 4-Methyl-2-Pentanone	10.269	43	851440	96.589	ug/l	93	
59) 2-Hexanone	11.027	43	666923	98.225	ug/l	92	
61) Tetrachloroethene	10.916	164	95881	18.361	ug/l	88	
62) Toluene	10.445	91	452131	19.071	ug/l	99	
64) Chlorobenzene	11.710	112	280483	19.801	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.780	131	110652	21.045	ug/l	100	
66) Ethyl Benzene	11.786	91	469690	18.532	ug/l	96	
67) m/p-Xylenes	11.892	106	379971	39.223	ug/l	95	
68) o-Xylene	12.221	106	188522	19.593	ug/l	95	
69) Styrene	12.233	104	305264	19.249	ug/l	96	
70) Isopropylbenzene	12.521	105	485328	19.729	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.768	83	176561	20.412	ug/l	98	
72) 1,2,3-Trichloropropane	12.821	75	130162m	18.018	ug/l		
73) Bromobenzene	12.798	156	126137	20.642	ug/l	93	
74) n-propylbenzene	12.863	91	522913	18.266	ug/l	96	
75) 2-Chlorotoluene	12.945	91	328805	19.160	ug/l	98	
76) 1,3,5-Trimethylbenzene	12.998	105	406675	19.737	ug/l	94	
77) t-1,4-Dichloro-2-butene	12.568	75	50431	19.156	ug/l	96	
78) 4-Chlorotoluene	13.045	91	310779	18.852	ug/l	97	
79) tert-butylbenzene	13.263	119	359791	20.197	ug/l	93	
80) 1,2,4-Trimethylbenzene	13.310	105	401684	19.681	ug/l #	80	
81) sec-Butylbenzene	13.439	105	477362	18.663	ug/l	96	
82) p-Isopropyltoluene	13.557	119	401196	19.105	ug/l	95	
83) 1,3-Dichlorobenzene	13.557	146	222277	19.872	ug/l	97	
84) 1,4-Dichlorobenzene	13.633	146	211841	19.633	ug/l	97	
85) n-Butylbenzene	13.880	91	289553	17.010	ug/l	96	
86) Hexachloroethane	14.151	117	73084	18.977	ug/l	70	
87) 1,2-Dichlorobenzene	13.927	146	232817	20.587	ug/l	96	
88) 1,2-Dibromo-3-Chloropr...	14.545	75	40666	21.524	ug/l #	75	
89) 1,2,4-Trichlorobenzene	15.198	180	129618	20.825	ug/l	98	
90) Hexachlorobutadiene	15.304	225	71693	22.742	ug/l	99	
91) Naphthalene	15.433	128	457059	22.364	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.627	180	139050	21.747	ug/l	97	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074023.D
 Acq On : 19 Aug 2022 13:46
 Operator : JC\MD
 Sample : VN0819WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin
 Yesilyurt

08/22/2022
 Supervised By :Mahesh
 Dadoda

08/22/2022

