

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073631.D
 Acq On : 29 Jul 2022 13:43
 Operator : JC\MD
 Sample : VN0729WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0729WBS01

Quant Time: Aug 01 03:36:31 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

08/01/2022
 Supervised By : Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Bromochloromethane	7.581	128	55278	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	8.904	114	312834	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.686	117	285872	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.369	65	146625	30.678	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.267%	
60) 4-Bromofluorobenzene	12.669	95	150880	29.808	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.367%	
63) Toluene-d8	10.381	98	480268	29.836	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%	
Target Compounds							
2) Dichlorodifluoromethane	2.046	85	71711	19.086	ug/l		97
3) Chloromethane	2.269	50	96673	19.460	ug/l		92
4) Vinyl Chloride	2.405	62	116709	19.142	ug/l		100
5) Bromomethane	2.810	94	75903	24.505	ug/l		93
6) Chloroethane	2.969	64	90892	22.003	ug/l		94
7) Trichlorofluoromethane	3.316	101	122322	20.397	ug/l		96
8) Diethyl Ether	3.763	74	46444	19.246	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.146	101	71522	19.782	ug/l	#	65
10) 1,1-Dichloroethene	4.116	96	66987	19.356	ug/l		95
11) Methyl Iodide	4.352	142	68821	17.240	ug/l		88
12) Methyl Acetate	4.781	43	110419	18.774	ug/l		96
13) Acrolein	3.975	56	115021	111.245	ug/l		100
14) Acrylonitrile	5.475	53	255322	94.058	ug/l		99
15) Acetone	4.222	58	68272	90.469	ug/l		85
16) Carbon Disulfide	4.457	76	175375	18.544	ug/l		98
17) Allyl chloride	4.763	41	104945	18.180	ug/l		89
18) Methylene Chloride	5.010	84	87866	20.037	ug/l		98
19) trans-1,2-Dichloroethene	5.510	96	74942	19.531	ug/l		97
20) Diisopropyl ether	6.410	45	241053	19.196	ug/l		96
21) 1,1-Dichloroethane	6.304	63	141227	19.059	ug/l		96
22) cis-1,2-Dichloroethene	7.245	96	92424	20.023	ug/l		93
23) tert-Butyl Alcohol	5.287	59	89007	92.782	ug/l	#	100
24) Methyl tert-Butyl Ether	5.528	73	244113	20.016	ug/l		92
25) Chloroform	7.740	83	150356	19.658	ug/l		99
26) Cyclohexane	8.022	56	119277	18.661	ug/l	#	96
29) 1,1-Dichloropropene	8.151	75	106454	18.212	ug/l		99
30) 2-Butanone	7.257	43	349973	86.611	ug/l		98
31) 2,2-Dichloropropane	7.251	77	107794	17.673	ug/l		99
32) 1,1,1-Trichloroethane	7.940	97	126756	18.735	ug/l		98
33) Carbon Tetrachloride	8.134	117	108377	18.681	ug/l		97
34) Benzene	8.387	78	340580	18.006	ug/l		98
35) Methacrylonitrile	7.563	41	66765	20.355	ug/l		94
36) 1,2-Dichloroethane	8.463	62	113494	18.196	ug/l		96
37) Trichloroethene	9.151	130	86227	18.530	ug/l		98
38) Methylcyclohexane	9.392	83	131691	18.149	ug/l		98
39) 1,2-Dichloropropane	9.428	63	85083	17.830	ug/l		99
40) Dibromomethane	9.516	93	59497	18.374	ug/l		89
41) Bromodichloromethane	9.698	83	115866	18.280	ug/l		93
42) Vinyl Acetate	6.351	43	1014039	87.090	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073631.D
 Acq On : 29 Jul 2022 13:43
 Operator : JC\MD
 Sample : VN0729WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0729WBS01

Quant Time: Aug 01 03:36:31 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

08/01/2022
 Supervised By : Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	133776	17.439	ug/l	97
44) Isopropyl Acetate	8.492	43	191060	17.910	ug/l	97
45) 1,4-Dioxane	9.504	88	45067	354.308	ug/l	98
46) Methyl methacrylate	9.498	41	80964	16.972	ug/l	85
47) n-amyl Acetate	12.327	43	141581	16.648	ug/l	93
48) t-1,3-Dichloropropene	10.657	75	114440	17.537	ug/l	99
49) cis-1,3-Dichloropropene	10.128	75	128451	17.728	ug/l #	87
50) 1,1,2-Trichloroethane	10.839	97	89862	18.498	ug/l	95
51) Ethyl methacrylate	10.704	69	130653	17.889	ug/l	83
52) 1,3-Dichloropropane	10.986	76	151072	18.450	ug/l	99
53) Dibromochloromethane	11.180	129	90088	18.299	ug/l	99
54) 1,2-Dibromoethane	11.286	107	91637	18.510	ug/l	98
55) 2-Chloroethyl vinyl ether	9.981	63	306549	93.584	ug/l	99
56) Bromoform	12.398	173	69079	17.856	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	683726	92.498	ug/l	94
59) 2-Hexanone	11.028	43	521992	91.683	ug/l	93
61) Tetrachloroethene	10.916	164	87206	19.915	ug/l	88
62) Toluene	10.445	91	385954	19.414	ug/l	99
64) Chlorobenzene	11.710	112	230166	19.378	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.780	131	85327	19.353	ug/l	99
66) Ethyl Benzene	11.786	91	401720	18.902	ug/l	97
67) m/p-Xylenes	11.892	106	319465	39.327	ug/l	95
68) o-Xylene	12.222	106	154195	19.111	ug/l	98
69) Styrene	12.233	104	250386	18.828	ug/l	96
70) Isopropylbenzene	12.522	105	397679	19.279	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	135914	18.738	ug/l	99
72) 1,2,3-Trichloropropane	12.822	75	117974m	19.475	ug/l	
73) Bromobenzene	12.798	156	97517	19.032	ug/l	94
74) n-propylbenzene	12.863	91	453219	18.879	ug/l	99
75) 2-Chlorotoluene	12.945	91	275558	19.149	ug/l	99
76) 1,3,5-Trimethylbenzene	12.998	105	328359	19.004	ug/l	95
77) t-1,4-Dichloro-2-butene	12.563	75	38088	17.253	ug/l	97
78) 4-Chlorotoluene	13.045	91	259691	18.786	ug/l	100
79) tert-butylbenzene	13.263	119	286203	19.160	ug/l	95
80) 1,2,4-Trimethylbenzene	13.310	105	322505m	18.844	ug/l	
81) sec-Butylbenzene	13.439	105	402999	18.789	ug/l	98
82) p-Isopropyltoluene	13.557	119	334507	18.996	ug/l	97
83) 1,3-Dichlorobenzene	13.557	146	174888	18.646	ug/l	96
84) 1,4-Dichlorobenzene	13.633	146	173030	19.124	ug/l	98
85) n-Butylbenzene	13.880	91	251870	17.645	ug/l	97
86) Hexachloroethane	14.151	117	58191	18.019	ug/l	78
87) 1,2-Dichlorobenzene	13.927	146	179768	18.957	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.539	75	28722	18.130	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.198	180	93096	17.837	ug/l	97
90) Hexachlorobutadiene	15.304	225	49292	18.647	ug/l	98
91) Naphthalene	15.433	128	305942	17.852	ug/l	98
92) 1,2,3-Trichlorobenzene	15.627	180	98378	18.349	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073631.D
 Acq On : 29 Jul 2022 13:43
 Operator : JC\MD
 Sample : VN0729WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0729WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/01/2022
 Supervised By : Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 03:36:31 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

08/01/2022
 Supervised By : Mahesh
 Dadoda

08/01/2022

