

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073628.D
 Acq On : 29 Jul 2022 11:29
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/01/2022

Supervised By :Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 02:20:11 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	7.581	128	66286	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	362757	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	335617	30.000	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.369	65	163328	28.498	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.000%
60) 4-Bromofluorobenzene	12.668	95	173847	29.254	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.500%
63) Toluene-d8	10.380	98	556834	29.465	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.233%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	88163	19.568	ug/l	99
3) Chloromethane	2.263	50	104760	17.586	ug/l	96
4) Vinyl Chloride	2.404	62	131885	18.038	ug/l	98
5) Bromomethane	2.799	94	87545	23.570	ug/l	98
6) Chloroethane	2.963	64	89016	17.971	ug/l	96
7) Trichlorofluoromethane	3.316	101	142809	19.858	ug/l	92
8) Diethyl Ether	3.763	74	54684	18.897	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.140	101	83471	19.253	ug/l #	65
10) 1,1-Dichloroethene	4.110	96	80337	19.359	ug/l	98
11) Methyl Iodide	4.351	142	84253	17.601	ug/l	89
12) Methyl Acetate	4.775	43	125415	17.782	ug/l	98
13) Acrolein	3.981	56	122305	98.645	ug/l	97
14) Acrylonitrile	5.469	53	285960	87.850	ug/l	98
15) Acetone	4.216	58	107036	118.282	ug/l	88
16) Carbon Disulfide	4.451	76	203977	17.986	ug/l	98
17) Allyl chloride	4.757	41	119922	17.325	ug/l	91
18) Methylene Chloride	5.010	84	99613	18.944	ug/l	90
19) trans-1,2-Dichloroethene	5.510	96	88505	19.235	ug/l	99
20) Diisopropyl ether	6.410	45	274167	18.207	ug/l	94
21) 1,1-Dichloroethane	6.304	63	162443	18.281	ug/l	96
22) cis-1,2-Dichloroethene	7.245	96	107115	19.352	ug/l	91
23) tert-Butyl Alcohol	5.287	59	106200	92.319	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	286625	19.598	ug/l	92
25) Chloroform	7.745	83	172325	18.789	ug/l	95
26) Cyclohexane	8.022	56	137688	17.964	ug/l #	95
29) 1,1-Dichloropropene	8.151	75	122561	18.082	ug/l	99
30) 2-Butanone	7.257	43	436463	93.150	ug/l	99
31) 2,2-Dichloropropane	7.239	77	135828	19.205	ug/l	99
32) 1,1,1-Trichloroethane	7.933	97	146398	18.661	ug/l	100
33) Carbon Tetrachloride	8.128	117	126555	18.812	ug/l	94
34) Benzene	8.386	78	394851	18.002	ug/l	97
35) Methacrylonitrile	7.569	41	76383	20.082	ug/l	94
36) 1,2-Dichloroethane	8.463	62	132227	18.282	ug/l #	94
37) Trichloroethene	9.151	130	102412	18.979	ug/l	99
38) Methylcyclohexane	9.392	83	155031	18.425	ug/l	98
39) 1,2-Dichloropropane	9.428	63	96460	17.432	ug/l	95
40) Dibromomethane	9.510	93	69598	18.536	ug/l	87
41) Bromodichloromethane	9.698	83	131985	17.957	ug/l	95
42) Vinyl Acetate	6.345	43	1176270	87.120	ug/l #	95

08/01/2022

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Dadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.334	43	153517	17.259	ug/l	98	
44) Isopropyl Acetate	8.492	43	213801	17.284	ug/l	95	
45) 1,4-Dioxane	9.504	88	55483	376.167	ug/l #	94	
46) Methyl methacrylate	9.492	41	93026	16.817	ug/l	87	
47) n-amyl Acetate	12.327	43	168525	17.089	ug/l	95	
48) t-1,3-Dichloropropene	10.657	75	134163	17.730	ug/l	100	
49) cis-1,3-Dichloropropene	10.127	75	152943	18.204	ug/l #	88	
50) 1,1,2-Trichloroethane	10.839	97	104428	18.538	ug/l	97	
51) Ethyl methacrylate	10.704	69	148965	17.590	ug/l	86	
52) 1,3-Dichloropropane	10.980	76	171850	18.099	ug/l	99	
53) Dibromochloromethane	11.174	129	106023	18.572	ug/l	99	
54) 1,2-Dibromoethane	11.286	107	105845	18.438	ug/l	95	
55) 2-Chloroethyl vinyl ether	9.980	63	275074	72.418	ug/l	99	
56) Bromoform	12.398	173	79572	17.737	ug/l #	97	
58) 4-Methyl-2-Pentanone	10.269	43	756718	87.199	ug/l	93	
59) 2-Hexanone	11.027	43	606651	90.759	ug/l	92	
61) Tetrachloroethene	10.916	164	100715	19.591	ug/l	88	
62) Toluene	10.445	91	438070	18.770	ug/l	98	
64) Chlorobenzene	11.710	112	263643	18.906	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	11.780	131	99869	19.294	ug/l	99	
66) Ethyl Benzene	11.786	91	461191	18.484	ug/l	96	
67) m/p-Xylenes	11.892	106	372496	39.059	ug/l	96	
68) o-Xylene	12.221	106	182799	19.298	ug/l	96	
69) Styrene	12.233	104	287477	18.413	ug/l	97	
70) Isopropylbenzene	12.521	105	463479	19.138	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.768	83	154430	18.135	ug/l	98	
72) 1,2,3-Trichloropropane	12.821	75	133028m	18.705	ug/l		
73) Bromobenzene	12.798	156	116854	19.425	ug/l	92	
74) n-propylbenzene	12.857	91	527177	18.705	ug/l	98	
75) 2-Chlorotoluene	12.945	91	315937	18.701	ug/l	98	
76) 1,3,5-Trimethylbenzene	12.998	105	386702	19.064	ug/l	94	
77) t-1,4-Dichloro-2-butene	12.568	75	45705	17.635	ug/l	92	
78) 4-Chlorotoluene	13.045	91	300734	18.530	ug/l	99	
79) tert-butylbenzene	13.263	119	341706	19.485	ug/l	94	
80) 1,2,4-Trimethylbenzene	13.310	105	382173m	19.021	ug/l		
81) sec-Butylbenzene	13.439	105	478652	19.009	ug/l	97	
82) p-Isopropyltoluene	13.557	119	393078	19.014	ug/l	96	
83) 1,3-Dichlorobenzene	13.551	146	206285	18.733	ug/l	97	
84) 1,4-Dichlorobenzene	13.633	146	204830	19.283	ug/l	97	
85) n-Butylbenzene	13.880	91	300546	17.934	ug/l	97	
86) Hexachloroethane	14.151	117	69906	18.438	ug/l	80	
87) 1,2-Dichlorobenzene	13.927	146	211838	19.028	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.539	75	33380	17.947	ug/l #	79	
89) 1,2,4-Trichlorobenzene	15.198	180	118090	19.272	ug/l	96	
90) Hexachlorobutadiene	15.304	225	61681	19.875	ug/l	99	
91) Naphthalene	15.433	128	390761	19.422	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.627	180	121136	19.245	ug/l	97	

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

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