

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101422\
 Data File : VN074903.D
 Acq On : 14 Oct 2022 11:11
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 17 01:12:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101422W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 01:09:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	279664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	491791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	545327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	306309	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	137537	20.310	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	40.620%#
35) Dibromofluoromethane	8.177	113	108993	20.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	40.800%#
50) Toluene-d8	10.571	98	450782	20.455	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.920%#
62) 4-Bromofluorobenzene	12.853	95	123676	19.710	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	39.420%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.148	85	107348	20.008	ug/l	96
3) Chloromethane	2.383	50	144884	18.456	ug/l	95
4) Vinyl Chloride	2.530	62	216836	19.210	ug/l	98
5) Bromomethane	2.948	94	161741	17.902	ug/l	92
6) Chloroethane	3.118	64	164233	18.466	ug/l	95
7) Trichlorofluoromethane	3.506	101	153979	18.910	ug/l	96
8) Diethyl Ether	3.977	74	67315	18.037	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	95073	19.090	ug/l	99
10) Methyl Iodide	4.606	142	109798	19.266	ug/l	96
11) Tert butyl alcohol	5.559	59	153344	92.016	ug/l	97
12) 1,1-Dichloroethene	4.359	96	88060	18.071	ug/l	97
13) Acrolein	4.206	56	166910	94.655	ug/l	97
14) Allyl chloride	5.042	41	184173	19.919	ug/l #	84
15) Acrylonitrile	5.741	53	391436	96.074	ug/l	99
16) Acetone	4.453	43	312775	89.612	ug/l	96
17) Carbon Disulfide	4.724	76	216771	17.731	ug/l #	92
18) Methyl Acetate	5.053	43	235166	18.817	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	355562	18.691	ug/l	96
20) Methylene Chloride	5.300	84	117319	17.809	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	96444	18.085	ug/l	97
22) Diisopropyl ether	6.694	45	404139	18.565	ug/l	100
23) Vinyl Acetate	6.624	43	1495654	93.631	ug/l	99
24) 1,1-Dichloroethane	6.583	63	211928	18.089	ug/l	94
25) 2-Butanone	7.500	43	535869	93.238	ug/l	97
26) 2,2-Dichloropropane	7.500	77	176254	18.759	ug/l	94
27) cis-1,2-Dichloroethene	7.500	96	116190	17.540	ug/l	99
28) Bromochloromethane	7.830	49	101141	20.556	ug/l	91
29) Tetrahydrofuran	7.847	42	365483	96.865	ug/l	98
30) Chloroform	7.977	83	211347	19.488	ug/l	86
31) Cyclohexane	8.265	56	184917	18.389	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	176278	19.142	ug/l	93
36) 1,1-Dichloropropene	8.382	75	147717	18.864	ug/l	97
37) Ethyl Acetate	7.577	43	226785	19.509	ug/l	99
38) Carbon Tetrachloride	8.371	117	141379	19.100	ug/l	90
39) Methylcyclohexane	9.606	83	174607	18.492	ug/l	99
40) Benzene	8.612	78	470374	18.264	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	118493	20.706	ug/l	94
42) 1,2-Dichloroethane	8.682	62	157202	18.684	ug/l	94
43) Isopropyl Acetate	8.700	43	344263	19.240	ug/l	99
44) Trichloroethene	9.359	130	96490	17.902	ug/l	97
45) 1,2-Dichloropropane	9.629	63	129563	18.688	ug/l	97
46) Dibromomethane	9.706	93	81090	18.267	ug/l	97
47) Bromodichloromethane	9.894	83	162822	19.116	ug/l	95
48) Methyl methacrylate	9.612	41	145519	17.463	ug/l #	92
49) 1,4-Dioxane	9.700	88	56041	369.119	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	1118654	97.227	ug/l	97
52) Toluene	10.635	92	281012	18.216	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	173140	18.600	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	194196	19.567	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	122132	19.710	ug/l	97
56) Ethyl methacrylate	10.876	69	194046	19.565	ug/l	98
57) 1,3-Dichloropropane	11.171	76	213630	19.010	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	331547	93.902	ug/l	97
59) 2-Hexanone	11.200	43	821133	97.754	ug/l	97
60) Dibromochloromethane	11.365	129	116374	18.742	ug/l	99
61) 1,2-Dibromoethane	11.476	107	120780	19.708	ug/l	97
64) Tetrachloroethene	11.106	164	81446	18.555	ug/l	91
65) Chlorobenzene	11.894	112	289552	18.398	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	109493	18.555	ug/l	100
67) Ethyl Benzene	11.965	91	544797	18.881	ug/l	99
68) m/p-Xylenes	12.076	106	411288	38.279	ug/l	98
69) o-Xylene	12.400	106	207846	18.938	ug/l	99
70) Styrene	12.418	104	331225	19.028	ug/l	97
71) Bromoform	12.576	173	73953	18.095	ug/l #	98
73) Isopropylbenzene	12.700	105	535001	19.635	ug/l	99
74) N-amyl acetate	12.500	43	279847	18.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	199657	18.500	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	172674m	20.520	ug/l	
77) Bromobenzene	12.982	156	113010	18.726	ug/l	96
78) n-propylbenzene	13.035	91	617008	19.836	ug/l	99
79) 2-Chlorotoluene	13.129	91	364562	19.603	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	434344	19.610	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	60403	18.354	ug/l	92
82) 4-Chlorotoluene	13.223	91	335746	19.304	ug/l	99
83) tert-Butylbenzene	13.441	119	400115	20.905	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	433252	19.910	ug/l	99
85) sec-Butylbenzene	13.617	105	546009	19.784	ug/l	96
86) p-Isopropyltoluene	13.735	119	416306	18.982	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	212482	18.768	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	204500	18.307	ug/l	99
89) n-Butylbenzene	14.059	91	368977	19.743	ug/l	98
90) Hexachloroethane	14.335	117	81350	17.276	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	219590	18.698	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	35348	17.656	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	98079	18.464	ug/l	98
94) Hexachlorobutadiene	15.500	225	49313	19.331	ug/l	94
95) Naphthalene	15.647	128	374477	19.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	99626	19.800	ug/l	96

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

