

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080432.D
 Acq On : 12 Dec 2023 10:57
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 13 01:28:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:22:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/13/2023
 Supervised By :Mahesh Dadoda 12/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	342334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	537941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	483409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	84712	19.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.740%#		
35) Dibromofluoromethane	8.165	113	64638	18.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.900%#		
50) Toluene-d8	10.571	98	243766	19.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.320%#		
62) 4-Bromofluorobenzene	12.847	95	93193	19.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	92554	21.156	ug/l	99
3) Chloromethane	2.360	50	94730	20.419	ug/l	95
4) Vinyl Chloride	2.518	62	79749	21.346	ug/l	93
5) Bromomethane	2.948	94	35309	20.962	ug/l	92
6) Chloroethane	3.118	64	53387	22.224	ug/l	99
7) Trichlorofluoromethane	3.501	101	159989	21.113	ug/l	96
8) Diethyl Ether	3.959	74	50046	20.968	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	77605	21.607	ug/l	95
10) Methyl Iodide	4.589	142	66581	21.075	ug/l	95
11) Tert butyl alcohol	5.506	59	55651	108.071	ug/l	99
12) 1,1-Dichloroethene	4.342	96	78596	21.357	ug/l	89
13) Acrolein	4.177	56	59696	105.856	ug/l	100
14) Allyl chloride	5.018	41	96096	21.105	ug/l	98
15) Acrylonitrile	5.712	53	158526	108.952	ug/l	99
16) Acetone	4.424	43	72334	93.301	ug/l	99
17) Carbon Disulfide	4.706	76	217313	20.836	ug/l	98
18) Methyl Acetate	5.018	43	100694	20.185	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	264113	21.511	ug/l	99
20) Methylene Chloride	5.271	84	85527	20.614	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	84350	21.138	ug/l #	81
22) Diisopropyl ether	6.665	45	215016	21.879	ug/l	96
23) Vinyl Acetate	6.600	43	619737	109.801	ug/l	94
24) 1,1-Dichloroethane	6.565	63	147667	21.537	ug/l	97
25) 2-Butanone	7.477	43	157150	105.222	ug/l #	86
26) 2,2-Dichloropropane	7.489	77	149848	21.373	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	93890	20.787	ug/l	87
28) Bromochloromethane	7.812	49	56045	21.289	ug/l	97
29) Tetrahydrofuran	7.836	42	117567	109.930	ug/l	90
30) Chloroform	7.965	83	162001	21.286	ug/l	95
31) Cyclohexane	8.253	56	126145	21.215	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	159570	21.414	ug/l	97
36) 1,1-Dichloropropene	8.371	75	122077	21.890	ug/l	96
37) Ethyl Acetate	7.553	43	74539	21.344	ug/l	96
38) Carbon Tetrachloride	8.359	117	141734	21.270	ug/l	99
39) Methylcyclohexane	9.600	83	125675	21.693	ug/l	93
40) Benzene	8.606	78	346883	21.540	ug/l	98

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41) Methacrylonitrile	7.771	41	43003	21.360	ug/l	96
42) 1,2-Dichloroethane	8.671	62	129879	21.779	ug/l	95
43) Isopropyl Acetate	8.689	43	138060	21.987	ug/l	98
44) Trichloroethene	9.353	130	93703	21.584	ug/l	99
45) 1,2-Dichloropropane	9.624	63	80784	21.358	ug/l	93
46) Dibromomethane	9.706	93	59844	22.032	ug/l	92
47) Bromodichloromethane	9.889	83	127335	21.874	ug/l	98
48) Methyl methacrylate	9.683	41	79438	21.200	ug/l	92
49) 1,4-Dioxane	9.694	88	24009	422.726	ug/l #	84
51) 4-Methyl-2-Pentanone	10.441	43	377685	109.216	ug/l	100
52) Toluene	10.630	92	223780	21.997	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	142355	22.602	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	148439	22.049	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	81090	22.152	ug/l	98
56) Ethyl methacrylate	10.871	69	89593	22.107	ug/l #	90
57) 1,3-Dichloropropane	11.159	76	140097	21.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	261473	102.197	ug/l	100
59) 2-Hexanone	11.194	43	293994	115.157	ug/l	99
60) Dibromochloromethane	11.359	129	96912	22.342	ug/l	98
61) 1,2-Dibromoethane	11.471	107	84001	22.172	ug/l	97
64) Tetrachloroethene	11.106	164	79952	21.421	ug/l	97
65) Chlorobenzene	11.894	112	236487	21.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	91293	21.636	ug/l	95
67) Ethyl Benzene	11.965	91	426825	21.586	ug/l	95
68) m/p-Xylenes	12.071	106	323973	44.340	ug/l	92
69) o-Xylene	12.400	106	160397	22.444	ug/l	93
70) Styrene	12.412	104	231296	22.468	ug/l	94
71) Bromoform	12.577	173	65793	21.382	ug/l #	98
73) Isopropylbenzene	12.694	105	409541	21.071	ug/l	99
74) N-amyl acetate	12.494	43	118589	20.894	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	110518	21.220	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	99205m	18.815	ug/l	
77) Bromobenzene	12.977	156	100594	21.039	ug/l	97
78) n-propylbenzene	13.035	91	463932	21.649	ug/l	99
79) 2-Chlorotoluene	13.124	91	298380	21.328	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	361718	21.609	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	36779	20.007	ug/l #	43
82) 4-Chlorotoluene	13.224	91	315016	21.906	ug/l	96
83) tert-Butylbenzene	13.435	119	298601	21.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	366970	22.037	ug/l	98
85) sec-Butylbenzene	13.618	105	386966	22.066	ug/l	99
86) p-Isopropyltoluene	13.729	119	353902	22.351	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	181010	21.487	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	181814	21.381	ug/l	97
89) n-Butylbenzene	14.059	91	296819	22.447	ug/l	99
90) Hexachloroethane	14.335	117	53784	21.388	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	168168	21.023	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	21405	19.539	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	89277	20.102	ug/l	96
94) Hexachlorobutadiene	15.500	225	50348	19.913	ug/l	99
95) Naphthalene	15.641	128	275071	20.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	86086	20.086	ug/l	97

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

