

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011623\
 Data File : VN076263.D
 Acq On : 16 Jan 2023 11:42
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 03:27:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:09:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	333376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	532805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	475986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	73264	19.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.260%#		
35) Dibromofluoromethane	8.171	113	66517	19.958	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.920%#		
50) Toluene-d8	10.570	98	245379	19.935	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.880%#		
62) 4-Bromofluorobenzene	12.847	95	79158	19.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.400%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	69689	20.831	ug/l	95
3) Chloromethane	2.377	50	69779	19.541	ug/l	97
4) Vinyl Chloride	2.530	62	85936	19.516	ug/l	98
5) Bromomethane	2.971	94	69958	19.697	ug/l	93
6) Chloroethane	3.136	64	62765	19.474	ug/l	100
7) Trichlorofluoromethane	3.518	101	117412	19.671	ug/l	99
8) Diethyl Ether	3.971	74	39695	20.125	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	66915	20.057	ug/l	99
10) Methyl Iodide	4.600	142	101460	19.664	ug/l	99
11) Tert butyl alcohol	5.536	59	46729	93.593	ug/l #	85
12) 1,1-Dichloroethene	4.359	96	61228	19.754	ug/l	86
13) Acrolein	4.200	56	58773	98.432	ug/l	99
14) Allyl chloride	5.036	41	69646	19.155	ug/l	99
15) Acrylonitrile	5.730	53	138844	96.710	ug/l	99
16) Acetone	4.441	43	115561	93.637	ug/l	97
17) Carbon Disulfide	4.730	76	152132	19.500	ug/l	98
18) Methyl Acetate	5.041	43	76599	19.007	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	204903	19.861	ug/l	98
20) Methylene Chloride	5.288	84	72411	19.497	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	66652	19.449	ug/l	96
22) Diisopropyl ether	6.683	45	176596	19.936	ug/l	96
23) Vinyl Acetate	6.612	43	586941	104.365	ug/l	97
24) 1,1-Dichloroethane	6.577	63	113831	19.154	ug/l	99
25) 2-Butanone	7.488	43	175557	97.729	ug/l	99
26) 2,2-Dichloropropane	7.500	77	96641	19.045	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	79611	19.711	ug/l	98
28) Bromochloromethane	7.824	49	47125	19.649	ug/l	98
29) Tetrahydrofuran	7.841	42	113622	100.690	ug/l	99
30) Chloroform	7.971	83	124094	18.769	ug/l	92
31) Cyclohexane	8.265	56	111143	19.383	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	116028	19.697	ug/l	91
36) 1,1-Dichloropropene	8.377	75	93699	19.830	ug/l	100
37) Ethyl Acetate	7.565	43	75898	20.240	ug/l	99
38) Carbon Tetrachloride	8.371	117	103587	19.682	ug/l	97
39) Methylcyclohexane	9.606	83	118648	20.759	ug/l	98
40) Benzene	8.612	78	280396	19.928	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	38707	20.035	ug/l	96
42) 1,2-Dichloroethane	8.677	62	93910	19.422	ug/l	99
43) Isopropyl Acetate	8.694	43	120216	14.791	ug/l	99
44) Trichloroethene	9.359	130	75515	19.108	ug/l	97
45) 1,2-Dichloropropane	9.623	63	66832	19.798	ug/l	100
46) Dibromomethane	9.712	93	49419	19.526	ug/l	98
47) Bromodichloromethane	9.888	83	97172	19.838	ug/l	97
48) Methyl methacrylate	9.682	41	56694	20.225	ug/l	99
49) 1,4-Dioxane	9.694	88	24139	397.983	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	363112	100.808	ug/l	100
52) Toluene	10.629	92	185436	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	94115	20.132	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	107692	20.256	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	70284	19.905	ug/l	99
56) Ethyl methacrylate	10.876	69	95501	20.700	ug/l	98
57) 1,3-Dichloropropane	11.165	76	115621	20.276	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	159890	103.241	ug/l	100
59) 2-Hexanone	11.200	43	265249	102.378	ug/l	100
60) Dibromochloromethane	11.359	129	76237	19.734	ug/l	100
61) 1,2-Dibromoethane	11.470	107	71501	19.994	ug/l	98
64) Tetrachloroethene	11.106	164	80374	19.117	ug/l	99
65) Chlorobenzene	11.894	112	193594	19.419	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	72903	19.663	ug/l	99
67) Ethyl Benzene	11.965	91	345405	20.152	ug/l	99
68) m/p-Xylenes	12.070	106	274693	40.574	ug/l	99
69) o-Xylene	12.400	106	135135	20.358	ug/l	100
70) Styrene	12.412	104	216551	20.611	ug/l	99
71) Bromoform	12.582	173	53606	19.954	ug/l #	99
73) Isopropylbenzene	12.700	105	352772	20.671	ug/l	99
74) N-amyl acetate	12.494	43	98317	20.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	95815	19.102	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	85153m	18.500	ug/l	
77) Bromobenzene	12.982	156	82443	19.363	ug/l	98
78) n-propylbenzene	13.035	91	389172	20.629	ug/l	100
79) 2-Chlorotoluene	13.129	91	230561	19.621	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	292268	20.350	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	26323	19.579	ug/l	99
82) 4-Chlorotoluene	13.129	91	230561	19.621	ug/l	99
83) tert-Butylbenzene	13.441	119	256981	20.064	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	293171	20.904	ug/l	100
85) sec-Butylbenzene	13.617	105	356622	20.421	ug/l	99
86) p-Isopropyltoluene	13.729	119	297726	20.892	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	149901	19.206	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	151364	19.542	ug/l	99
89) n-Butylbenzene	14.059	91	227494	20.168	ug/l	99
90) Hexachloroethane	14.335	117	50245	20.026	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	152406	19.374	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16704	19.995	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	67990	20.157	ug/l	99
94) Hexachlorobutadiene	15.505	225	39847	19.399	ug/l	98
95) Naphthalene	15.641	128	197487	21.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	65299	19.856	ug/l	96

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

