

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080520.D
 Acq On : 19 Dec 2023 15:10
 Operator : JC\MD
 Sample : VN1219WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2023
 Supervised By : Mahesh Dadoda 12/20/2023

Quant Time: Dec 20 04:02:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	268202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	434225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	383728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	177765	51.894	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	8.171	113	140187	50.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	10.565	98	508389	49.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.020%			
62) 4-Bromofluorobenzene	12.847	95	188051	48.231	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77090	22.492	ug/l	96
3) Chloromethane	2.359	50	73140	20.119	ug/l	97
4) Vinyl Chloride	2.512	62	60178	20.559	ug/l	97
5) Bromomethane	2.947	94	29108	22.057	ug/l	96
6) Chloroethane	3.118	64	38440	20.438	ug/l	96
7) Trichlorofluoromethane	3.494	101	130392	21.964	ug/l	95
8) Diethyl Ether	3.953	74	40843	21.842	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	63902	22.709	ug/l	96
10) Methyl Iodide	4.589	142	49268	19.906	ug/l	93
11) Tert butyl alcohol	5.512	59	42934	106.421	ug/l	98
12) 1,1-Dichloroethene	4.336	96	61666	21.388	ug/l #	82
13) Acrolein	4.171	56	51328	116.174	ug/l	98
14) Allyl chloride	5.012	41	74469	20.876	ug/l	96
15) Acrylonitrile	5.712	53	126712	111.158	ug/l	99
16) Acetone	4.418	43	158320	260.656	ug/l	95
17) Carbon Disulfide	4.706	76	166985	20.436	ug/l	99
18) Methyl Acetate	5.012	43	81864	20.947	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	212190	22.059	ug/l	98
20) Methylene Chloride	5.271	84	68567	21.094	ug/l	91
21) trans-1,2-Dichloroethene	5.788	96	66099	21.143	ug/l #	81
22) Diisopropyl ether	6.677	45	173938	22.592	ug/l	89
23) Vinyl Acetate	6.600	43	487956	110.348	ug/l	94
24) 1,1-Dichloroethane	6.571	63	118673	22.092	ug/l	97
25) 2-Butanone	7.482	43	186332	159.246	ug/l	96
26) 2,2-Dichloropropane	7.488	77	116691	21.244	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	75416	21.311	ug/l	87
28) Bromochloromethane	7.812	49	41178	19.965	ug/l	100
29) Tetrahydrofuran	7.835	42	90230	107.689	ug/l	94
30) Chloroform	7.965	83	132619	22.242	ug/l	94
31) Cyclohexane	8.259	56	95056	20.405	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	128934	22.085	ug/l	97
36) 1,1-Dichloropropene	8.371	75	94309	20.950	ug/l	96
37) Ethyl Acetate	7.559	43	61327	21.756	ug/l	98
38) Carbon Tetrachloride	8.365	117	115016	21.383	ug/l	97
39) Methylcyclohexane	9.606	83	94760	20.263	ug/l	93
40) Benzene	8.606	78	279508	21.502	ug/l	99

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41) Methacrylonitrile	7.771	41	34259	21.081	ug/l	93
42) 1,2-Dichloroethane	8.671	62	108124	22.462	ug/l	98
43) Isopropyl Acetate	8.688	43	110618	21.825	ug/l	99
44) Trichloroethene	9.353	130	73063	20.849	ug/l	94
45) 1,2-Dichloropropane	9.623	63	65614	21.491	ug/l	100
46) Dibromomethane	9.706	93	47360	21.601	ug/l	91
47) Bromodichloromethane	9.888	83	102546	21.823	ug/l	98
48) Methyl methacrylate	9.682	41	63561	21.014	ug/l	89
49) 1,4-Dioxane	9.700	88	18732	408.591	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	303614	108.767	ug/l	99
52) Toluene	10.629	92	178348	21.718	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	108524	21.346	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	116349	21.411	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	66833	22.618	ug/l	98
56) Ethyl methacrylate	10.876	69	68836	21.042	ug/l	93
57) 1,3-Dichloropropane	11.165	76	112022	21.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	189123	91.574	ug/l	98
59) 2-Hexanone	11.194	43	270380	131.204	ug/l	97
60) Dibromochloromethane	11.359	129	74846	21.376	ug/l	99
61) 1,2-Dibromoethane	11.470	107	65725	21.492	ug/l	100
64) Tetrachloroethene	11.106	164	61753	20.843	ug/l	93
65) Chlorobenzene	11.894	112	184081	21.565	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	71753	21.422	ug/l	95
67) Ethyl Benzene	11.965	91	335726	21.390	ug/l	95
68) m/p-Xylenes	12.070	106	247627	42.695	ug/l	89
69) o-Xylene	12.400	106	120528	21.246	ug/l	90
70) Styrene	12.412	104	179779	22.001	ug/l	96
71) Bromoform	12.576	173	50457	20.657	ug/l #	99
73) Isopropylbenzene	12.694	105	313544	21.818	ug/l	100
74) N-amyl acetate	12.494	43	88866	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	82781	21.497	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	77961m	21.845	ug/l	
77) Bromobenzene	12.982	156	76004	21.499	ug/l	99
78) n-propylbenzene	13.035	91	355616	22.444	ug/l	98
79) 2-Chlorotoluene	13.129	91	229144	22.152	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	278328	22.488	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	27926	20.545	ug/l #	84
82) 4-Chlorotoluene	13.223	91	230742	21.702	ug/l	95
83) tert-Butylbenzene	13.441	119	219983	21.703	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	273356	22.201	ug/l	98
85) sec-Butylbenzene	13.617	105	284501	21.942	ug/l	99
86) p-Isopropyltoluene	13.729	119	266306	22.747	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	133216	21.388	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	134603	21.409	ug/l	97
89) n-Butylbenzene	14.059	91	220552	22.558	ug/l	99
90) Hexachloroethane	14.335	117	38376	20.640	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	129982	21.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17190	21.223	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	75324	22.938	ug/l	97
94) Hexachlorobutadiene	15.505	225	37594	20.109	ug/l	97
95) Naphthalene	15.641	128	216161	21.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	71547	22.578	ug/l	99

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

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