

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081130.D
 Acq On : 22 Feb 2024 13:12
 Operator : JC\MD
 Sample : VN0222WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0222WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2024
 Supervised By : Mahesh Dadoda 02/23/2024

Quant Time: Feb 23 04:22:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	339427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	621678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	549541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	198691	47.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.520%		
35) Dibromofluoromethane	8.165	113	169755	48.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.580%		
50) Toluene-d8	10.565	98	576421	46.166	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.340%		
62) 4-Bromofluorobenzene	12.847	95	216827	46.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	87469	19.926	ug/l	97
3) Chloromethane	2.359	50	84274	16.813	ug/l	97
4) Vinyl Chloride	2.518	62	88643	18.180	ug/l	97
5) Bromomethane	2.965	94	61909	17.877	ug/l	87
6) Chloroethane	3.124	64	60933	18.778	ug/l	97
7) Trichlorofluoromethane	3.506	101	140307	19.697	ug/l	95
8) Diethyl Ether	3.959	74	49587	19.041	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	75028	18.894	ug/l #	90
10) Methyl Iodide	4.589	142	86494	19.514	ug/l	97
11) Tert butyl alcohol	5.518	59	80135	104.735	ug/l	99
12) 1,1-Dichloroethene	4.342	96	72746	18.952	ug/l #	75
13) Acrolein	4.183	56	44277	107.970	ug/l	99
14) Allyl chloride	5.024	41	106206	18.648	ug/l #	92
15) Acrylonitrile	5.718	53	196262	98.217	ug/l	97
16) Acetone	4.424	43	137713	84.123	ug/l	98
17) Carbon Disulfide	4.718	76	177549	16.583	ug/l	99
18) Methyl Acetate	5.024	43	88118	22.065	ug/l #	89
19) Methyl tert-butyl Ether	5.795	73	255459	19.431	ug/l	92
20) Methylene Chloride	5.277	84	85088	19.525	ug/l #	83
21) trans-1,2-Dichloroethene	5.795	96	75193	17.558	ug/l	92
22) Diisopropyl ether	6.665	45	253958	19.657	ug/l #	95
23) Vinyl Acetate	6.606	43	1006916	96.060	ug/l	96
24) 1,1-Dichloroethane	6.565	63	147510	19.746	ug/l	94
25) 2-Butanone	7.483	43	245357	92.774	ug/l	98
26) 2,2-Dichloropropane	7.494	77	133594	19.086	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	93657	18.823	ug/l	87
28) Bromochloromethane	7.812	49	56670	18.298	ug/l #	66
29) Tetrahydrofuran	7.836	42	168820	95.624	ug/l #	85
30) Chloroform	7.965	83	158476	19.955	ug/l	98
31) Cyclohexane	8.259	56	132337	18.422	ug/l #	76
32) 1,1,1-Trichloroethane	8.171	97	138826	19.194	ug/l	89
36) 1,1-Dichloropropene	8.377	75	113737	18.885	ug/l	95
37) Ethyl Acetate	7.565	43	106319	19.560	ug/l	98
38) Carbon Tetrachloride	8.365	117	117313	19.253	ug/l	92
39) Methylcyclohexane	9.600	83	139630	19.888	ug/l #	83
40) Benzene	8.606	78	343774	19.720	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	62242	20.121	ug/l	95
42) 1,2-Dichloroethane	8.671	62	119141	19.589	ug/l	98
43) Isopropyl Acetate	8.688	43	185733	19.538	ug/l #	96
44) Trichloroethene	9.353	130	88330	19.024	ug/l	99
45) 1,2-Dichloropropane	9.624	63	87830	20.142	ug/l	95
46) Dibromomethane	9.712	93	61416	19.330	ug/l	90
47) Bromodichloromethane	9.888	83	118277	19.656	ug/l #	97
48) Methyl methacrylate	9.682	41	83818	18.949	ug/l	89
49) 1,4-Dioxane	9.694	88	35127	407.902	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	560158	102.433	ug/l	97
52) Toluene	10.629	92	221935	20.110	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	131573	19.676	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	138268	19.138	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	86196	20.307	ug/l	90
56) Ethyl methacrylate	10.877	69	129318	19.934	ug/l	86
57) 1,3-Dichloropropane	11.165	76	142363	19.397	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	286179	87.922	ug/l #	88
59) 2-Hexanone	11.200	43	404920	93.397	ug/l	95
60) Dibromochloromethane	11.359	129	88938	19.723	ug/l	95
61) 1,2-Dibromoethane	11.471	107	89868	20.134	ug/l	100
64) Tetrachloroethene	11.106	164	78346	20.889	ug/l #	83
65) Chlorobenzene	11.894	112	232826	19.576	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	81795	19.147	ug/l	95
67) Ethyl Benzene	11.965	91	408637	19.200	ug/l	95
68) m/p-Xylenes	12.071	106	311602	38.197	ug/l	96
69) o-Xylene	12.400	106	153245	18.951	ug/l	96
70) Styrene	12.412	104	249600	19.479	ug/l	97
71) Bromoform	12.582	173	54239	20.012	ug/l #	99
73) Isopropylbenzene	12.694	105	402359	18.949	ug/l	99
74) N-amyl acetate	12.494	43	163281	18.195	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	115813	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	100913m	18.301	ug/l	
77) Bromobenzene	12.982	156	86270	18.222	ug/l	78
78) n-propylbenzene	13.035	91	471122	19.274	ug/l	96
79) 2-Chlorotoluene	13.123	91	277734	18.524	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	330560	19.201	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	37611	17.557	ug/l #	85
82) 4-Chlorotoluene	13.223	91	272510	18.589	ug/l	95
83) tert-Butylbenzene	13.441	119	278285	18.694	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	329584	19.212	ug/l	98
85) sec-Butylbenzene	13.618	105	409132	19.770	ug/l	94
86) p-Isopropyltoluene	13.729	119	334228	19.444	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	166230	18.583	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	165469	18.825	ug/l	98
89) n-Butylbenzene	14.059	91	287993	19.231	ug/l	96
90) Hexachloroethane	14.335	117	54380	19.139	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	164693	19.089	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22196	17.881	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	89703	18.636	ug/l	99
94) Hexachlorobutadiene	15.506	225	32962	18.362	ug/l	97
95) Naphthalene	15.641	128	327568	18.571	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	91735	19.212	ug/l	98

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

