

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092324\
 Data File : VN084099.D
 Acq On : 23 Sep 2024 10:31
 Operator : JC\MD
 Sample : VN0923WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/24/2024
 Supervised By : Mahesh Dadoda 09/24/2024

Quant Time: Sep 24 01:27:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	152976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119520	51.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.640%			
35) Dibromofluoromethane	8.171	113	88008	50.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.565	98	312901	52.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.540%			
62) 4-Bromofluorobenzene	12.847	95	116685	47.249	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29389	16.542	ug/l	95
3) Chloromethane	2.365	50	32426	16.642	ug/l	99
4) Vinyl Chloride	2.518	62	34224	17.575	ug/l	99
5) Bromomethane	2.965	94	21863	19.555	ug/l	85
6) Chloroethane	3.124	64	21995	16.102	ug/l	91
7) Trichlorofluoromethane	3.506	101	59356	17.957	ug/l	96
8) Diethyl Ether	3.959	74	20628	18.617	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	33801	19.293	ug/l	98
10) Methyl Iodide	4.595	142	38731	17.382	ug/l	90
11) Tert butyl alcohol	5.524	59	34942	113.124	ug/l	98
12) 1,1-Dichloroethene	4.348	96	29586	17.881	ug/l	99
13) Acrolein	4.183	56	43595	143.044	ug/l	97
14) Allyl chloride	5.018	41	52814	17.914	ug/l	98
15) Acrylonitrile	5.724	53	89607	106.673	ug/l	100
16) Acetone	4.430	43	97574	105.521	ug/l	97
17) Carbon Disulfide	4.712	76	73748	15.934	ug/l	99
18) Methyl Acetate	5.030	43	44999	22.329	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	115814	19.343	ug/l	95
20) Methylene Chloride	5.283	84	35614	18.821	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	31753	17.907	ug/l	88
22) Diisopropyl ether	6.671	45	120959	19.930	ug/l	98
23) Vinyl Acetate	6.606	43	437684	98.478	ug/l	98
24) 1,1-Dichloroethane	6.565	63	66785	19.100	ug/l	97
25) 2-Butanone	7.483	43	128787	105.967	ug/l	99
26) 2,2-Dichloropropane	7.489	77	60922	18.920	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	40665	19.319	ug/l	98
28) Bromochloromethane	7.812	49	32738	22.233	ug/l	95
29) Tetrahydrofuran	7.836	42	77048	107.215	ug/l	97
30) Chloroform	7.965	83	70693	19.044	ug/l	95
31) Cyclohexane	8.259	56	55052	16.513	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	64301	18.839	ug/l	99
36) 1,1-Dichloropropene	8.371	75	46005	17.653	ug/l	98
37) Ethyl Acetate	7.559	43	48286	20.412	ug/l	99
38) Carbon Tetrachloride	8.365	117	53961	18.251	ug/l	96
39) Methylcyclohexane	9.600	83	50220	16.930	ug/l	95
40) Benzene	8.606	78	144020	18.360	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28838	20.611	ug/l	98
42) 1,2-Dichloroethane	8.671	62	54354	18.544	ug/l	98
43) Isopropyl Acetate	8.688	43	96461	22.502	ug/l	98
44) Trichloroethene	9.347	130	33186	18.270	ug/l	96
45) 1,2-Dichloropropane	9.618	63	37476	19.767	ug/l	90
46) Dibromomethane	9.712	93	25914	19.515	ug/l	98
47) Bromodichloromethane	9.888	83	57137	19.881	ug/l	95
48) Methyl methacrylate	9.683	41	40941	20.130	ug/l	99
49) 1,4-Dioxane	9.694	88	13510	403.800	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	255320	109.416	ug/l	97
52) Toluene	10.630	92	87923	18.325	ug/l	93
53) t-1,3-Dichloropropene	10.835	75	55742	19.135	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	60459	19.758	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	34326	19.163	ug/l	96
56) Ethyl methacrylate	10.871	69	55953	20.303	ug/l	99
57) 1,3-Dichloropropane	11.165	76	61555	19.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	122877	123.743	ug/l	96
59) 2-Hexanone	11.194	43	187678	108.727	ug/l	98
60) Dibromochloromethane	11.359	129	41034	20.470	ug/l	98
61) 1,2-Dibromoethane	11.471	107	35002	19.594	ug/l	95
64) Tetrachloroethene	11.100	164	28231	18.017	ug/l	99
65) Chlorobenzene	11.888	112	96314	18.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	34608	19.064	ug/l	98
67) Ethyl Benzene	11.959	91	171089	18.392	ug/l	98
68) m/p-Xylenes	12.071	106	128638	37.246	ug/l	100
69) o-Xylene	12.400	106	61080	18.269	ug/l	99
70) Styrene	12.412	104	105945	19.308	ug/l	99
71) Bromoform	12.576	173	26298	21.497	ug/l #	99
73) Isopropylbenzene	12.694	105	161184	19.008	ug/l	100
74) N-amyl acetate	12.494	43	72983	20.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	51325	20.600	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	48656m	22.000	ug/l	
77) Bromobenzene	12.982	156	36794	18.026	ug/l	93
78) n-propylbenzene	13.035	91	190030	19.260	ug/l	99
79) 2-Chlorotoluene	13.123	91	119717	19.026	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	135868	19.004	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16929	20.048	ug/l	95
82) 4-Chlorotoluene	13.218	91	119317	18.896	ug/l	99
83) tert-Butylbenzene	13.435	119	116927	18.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	136357	18.987	ug/l	100
85) sec-Butylbenzene	13.618	105	160869	19.393	ug/l	99
86) p-Isopropyltoluene	13.729	119	131767	18.949	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	69760	18.109	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	68874	17.657	ug/l	97
89) n-Butylbenzene	14.053	91	113675	18.207	ug/l	98
90) Hexachloroethane	14.335	117	25889	18.521	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	66391	17.858	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9992	20.118	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	33397	16.740	ug/l	97
94) Hexachlorobutadiene	15.500	225	15473	18.263	ug/l	99
95) Naphthalene	15.641	128	104289	17.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	33634	17.640	ug/l	97

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

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