

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079661.D
 Acq On : 24 Oct 2023 16:50
 Operator : JC\MD
 Sample : VN1024WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 01:57:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	264430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	458465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	422509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	231656	54.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.060%			
35) Dibromofluoromethane	8.171	113	182381	55.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.720%			
50) Toluene-d8	10.571	98	673170	56.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.940%			
62) 4-Bromofluorobenzene	12.853	95	212455	55.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	72416	19.111	ug/l	97
3) Chloromethane	2.365	50	85120	18.004	ug/l	98
4) Vinyl Chloride	2.518	62	94951	19.308	ug/l	98
5) Bromomethane	2.948	94	61098	20.753	ug/l	99
6) Chloroethane	3.118	64	64727	17.458	ug/l	98
7) Trichlorofluoromethane	3.501	101	141039	24.290	ug/l	99
8) Diethyl Ether	3.965	74	41645	20.118	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.371	101	67963	20.029	ug/l	99
10) Methyl Iodide	4.589	142	69741	23.686	ug/l	99
11) Tert butyl alcohol	5.524	59	61283	94.967	ug/l	98
12) 1,1-Dichloroethene	4.342	96	62367	19.962	ug/l #	79
13) Acrolein	4.183	56	53545	83.332	ug/l	95
14) Allyl chloride	5.030	41	97250	19.289	ug/l	90
15) Acrylonitrile	5.724	53	195810	104.664	ug/l	99
16) Acetone	4.436	43	197744	116.281	ug/l #	86
17) Carbon Disulfide	4.712	76	166394	17.074	ug/l	97
18) Methyl Acetate	5.030	43	167934	20.176	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	220141	21.686	ug/l	92
20) Methylene Chloride	5.277	84	79213	20.921	ug/l #	83
21) trans-1,2-Dichloroethene	5.795	96	71203	19.513	ug/l #	85
22) Diisopropyl ether	6.683	45	253264	22.402	ug/l #	90
23) Vinyl Acetate	6.612	43	668748	105.160	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	144875	20.938	ug/l	98
25) 2-Butanone	7.489	43	273526	108.369	ug/l #	76
26) 2,2-Dichloropropane	7.494	77	120670	22.821	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	84385	21.287	ug/l	86
28) Bromochloromethane	7.818	49	72856	22.131	ug/l #	76
29) Tetrahydrofuran	7.841	42	171874	105.289	ug/l #	75
30) Chloroform	7.971	83	152146	21.763	ug/l	93
31) Cyclohexane	8.265	56	116333	19.128	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	127492	21.670	ug/l #	91
36) 1,1-Dichloropropene	8.377	75	107950	21.831	ug/l	93
37) Ethyl Acetate	7.565	43	107432	21.834	ug/l #	91
38) Carbon Tetrachloride	8.365	117	105554	21.323	ug/l	96
39) Methylcyclohexane	9.606	83	95861	20.178	ug/l #	85
40) Benzene	8.612	78	323026	21.996	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	54354	21.012	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	117862	22.088	ug/l	97
43) Isopropyl Acetate	8.694	43	181989	21.112	ug/l #	88
44) Trichloroethene	9.359	130	74774	21.633	ug/l	96
45) 1,2-Dichloropropane	9.624	63	87581	22.635	ug/l	94
46) Dibromomethane	9.712	93	56880	22.698	ug/l	95
47) Bromodichloromethane	9.894	83	118645	23.016	ug/l	97
48) Methyl methacrylate	9.688	41	81060	21.944	ug/l #	79
49) 1,4-Dioxane	9.700	88	28390	417.252	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	542698	111.526	ug/l	88
52) Toluene	10.635	92	195950	22.668	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	118632	22.837	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	130210	22.897	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	78070	22.496	ug/l	98
56) Ethyl methacrylate	10.877	69	111498	23.381	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	136231	22.733	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	200119	109.577	ug/l #	88
59) 2-Hexanone	11.200	43	393301	112.006	ug/l	88
60) Dibromochloromethane	11.365	129	81669	23.415	ug/l	98
61) 1,2-Dibromoethane	11.471	107	74445	21.616	ug/l	100
64) Tetrachloroethene	11.106	164	58325	20.067	ug/l	96
65) Chlorobenzene	11.894	112	199406	21.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	75160	21.816	ug/l	97
67) Ethyl Benzene	11.965	91	356625	21.806	ug/l	93
68) m/p-Xylenes	12.077	106	262889	44.240	ug/l	93
69) o-Xylene	12.406	106	128744	22.030	ug/l	93
70) Styrene	12.418	104	208273	22.563	ug/l	97
71) Bromoform	12.582	173	52241	20.718	ug/l #	98
73) Isopropylbenzene	12.700	105	318838	20.290	ug/l	100
74) N-amyl acetate	12.500	43	130188	20.208	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	118143	22.627	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	101743m	20.891	ug/l	
77) Bromobenzene	12.982	156	76243	19.787	ug/l	92
78) n-propylbenzene	13.041	91	376240	21.162	ug/l	96
79) 2-Chlorotoluene	13.129	91	235327	20.684	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	267476	21.585	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	33452	19.930	ug/l #	84
82) 4-Chlorotoluene	13.224	91	224720	20.757	ug/l	99
83) tert-Butylbenzene	13.441	119	216208	21.296	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	263804	22.308	ug/l	100
85) sec-Butylbenzene	13.623	105	298096	21.051	ug/l	100
86) p-Isopropyltoluene	13.735	119	237503	21.862	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	128320	20.997	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	121908	19.319	ug/l	98
89) n-Butylbenzene	14.059	91	178114	20.532	ug/l	99
90) Hexachloroethane	14.335	117	49965	22.071	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	123291	20.682	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16132	17.753	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	30990	16.785	ug/l	96
94) Hexachlorobutadiene	15.506	225	30695	21.346	ug/l	98
95) Naphthalene	15.647	128	78390	13.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	35467	16.098	ug/l	95

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

