

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101323\
 Data File : VN079566.D
 Acq On : 13 Oct 2023 12:22
 Operator : JC\MD
 Sample : VN1013WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 13 23:30:12 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	233911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	421106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	379889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153065	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192977	50.881	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.760%	
35) Dibromofluoromethane	8.171	113	151262	49.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.960%	
50) Toluene-d8	10.571	98	566622	51.747	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.500%	
62) 4-Bromofluorobenzene	12.853	95	179928	51.203	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.400%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	62842	18.749	ug/l	96
3) Chloromethane	2.365	50	74994	17.931	ug/l	97
4) Vinyl Chloride	2.518	62	79369	18.245	ug/l	99
5) Bromomethane	2.954	94	47711	18.321	ug/l	92
6) Chloroethane	3.118	64	53374	16.274	ug/l	93
7) Trichlorofluoromethane	3.495	101	99350	19.343	ug/l	99
8) Diethyl Ether	3.959	74	36296	19.822	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.371	101	56247	18.739	ug/l	99
10) Methyl Iodide	4.583	142	53623	20.588	ug/l	97
11) Tert butyl alcohol	5.524	59	48305	84.623	ug/l	98
12) 1,1-Dichloroethene	4.348	96	51315	18.568	ug/l #	80
13) Acrolein	4.183	56	46263	81.393	ug/l	99
14) Allyl chloride	5.024	41	78682	17.642	ug/l	91
15) Acrylonitrile	5.724	53	157200	94.989	ug/l	99
16) Acetone	4.436	43	157828	104.917	ug/l	96
17) Carbon Disulfide	4.718	76	142375	16.516	ug/l	98
18) Methyl Acetate	5.036	43	133561	18.140	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	173513	19.323	ug/l	93
20) Methylene Chloride	5.277	84	66210	19.735	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	57518	17.819	ug/l	89
22) Diisopropyl ether	6.677	45	199942	19.993	ug/l #	89
23) Vinyl Acetate	6.612	43	537762	95.595	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	118994	19.442	ug/l	95
25) 2-Butanone	7.489	43	214942	96.269	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	96214	20.570	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	66845	19.062	ug/l	86
28) Bromochloromethane	7.818	49	51497	17.684	ug/l #	74
29) Tetrahydrofuran	7.847	42	136439	94.487	ug/l #	76
30) Chloroform	7.971	83	120408	19.471	ug/l	94
31) Cyclohexane	8.259	56	97081	18.045	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	99649	19.148	ug/l	94
36) 1,1-Dichloropropene	8.377	75	84494	18.603	ug/l	94
37) Ethyl Acetate	7.565	43	87827	19.433	ug/l #	91
38) Carbon Tetrachloride	8.365	117	84531	18.591	ug/l	97
39) Methylcyclohexane	9.606	83	75951	17.405	ug/l #	83
40) Benzene	8.606	78	259794	19.260	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	41780	17.584	ug/l	89
42) 1,2-Dichloroethane	8.677	62	93764	19.130	ug/l	98
43) Isopropyl Acetate	8.694	43	148909	18.807	ug/l #	88
44) Trichloroethene	9.353	130	60143	18.944	ug/l	98
45) 1,2-Dichloropropane	9.624	63	67348	18.950	ug/l	96
46) Dibromomethane	9.712	93	44715	19.426	ug/l	94
47) Bromodichloromethane	9.894	83	92624	19.562	ug/l	94
48) Methyl methacrylate	9.688	41	64207	18.924	ug/l #	78
49) 1,4-Dioxane	9.700	88	24396	390.361	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	443121	99.142	ug/l	88
52) Toluene	10.635	92	154345	19.439	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	93493	19.594	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	100738	19.286	ug/l #	87
55) 1,1,2-Trichloroethane	11.024	97	62988	19.760	ug/l	94
56) Ethyl methacrylate	10.877	69	86491	19.746	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	110417	20.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	160726	95.814	ug/l	89
59) 2-Hexanone	11.200	43	315972	97.967	ug/l	86
60) Dibromochloromethane	11.365	129	65030	20.299	ug/l	98
61) 1,2-Dibromoethane	11.471	107	59551	18.825	ug/l	99
64) Tetrachloroethene	11.106	164	47358	18.122	ug/l	93
65) Chlorobenzene	11.894	112	160127	18.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	61031	19.702	ug/l	97
67) Ethyl Benzene	11.971	91	277821	18.893	ug/l	97
68) m/p-Xylenes	12.076	106	210218	39.345	ug/l	95
69) o-Xylene	12.400	106	99619	18.959	ug/l	94
70) Styrene	12.418	104	159480	19.215	ug/l	96
71) Bromoform	12.582	173	42166	18.599	ug/l #	98
73) Isopropylbenzene	12.700	105	253221	17.782	ug/l	98
74) N-amyl acetate	12.500	43	104256	17.859	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	94493	19.825	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	82724m	18.744	ug/l	
77) Bromobenzene	12.988	156	60308	17.272	ug/l	92
78) n-propylbenzene	13.041	91	296792	18.421	ug/l	97
79) 2-Chlorotoluene	13.129	91	185106	17.955	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	210130	18.713	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	25883	17.017	ug/l #	79
82) 4-Chlorotoluene	13.223	91	176611	18.002	ug/l	97
83) tert-Butylbenzene	13.441	119	166359	18.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	201942	18.845	ug/l	98
85) sec-Butylbenzene	13.618	105	229827	17.910	ug/l	99
86) p-Isopropyltoluene	13.735	119	182634	18.552	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	101388	18.308	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	95408	16.685	ug/l	98
89) n-Butylbenzene	14.059	91	139701	17.771	ug/l	96
90) Hexachloroethane	14.335	117	40214	19.483	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	98181	18.175	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14247	17.302	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	24469	14.625	ug/l	97
94) Hexachlorobutadiene	15.506	225	22366	17.164	ug/l	96
95) Naphthalene	15.647	128	62785	12.289	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	27274	13.661	ug/l	96

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

