

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079639.D
 Acq On : 23 Oct 2023 11:24
 Operator : JC\MD
 Sample : VN1023WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 10/24/2023

Supervised By :Semsetun
 Yesilyurt
 10/24/2023

Quant Time: Oct 23 23:46:53 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	227979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	400331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	362994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144576	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	188637	51.031	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.060%	
35) Dibromofluoromethane	8.165	113	147018	51.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.200%	
50) Toluene-d8	10.571	98	543139	52.177	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.360%	
62) 4-Bromofluorobenzene	12.853	95	169598	50.768	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.540%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.130	85	55216	16.902	ug/l	100
3) Chloromethane	2.365	50	65446	16.056	ug/l	96
4) Vinyl Chloride	2.518	62	70127	16.540	ug/l	98
5) Bromomethane	2.959	94	41731	16.441	ug/l	94
6) Chloroethane	3.124	64	47377	14.822	ug/l	98
7) Trichlorofluoromethane	3.506	101	87862	17.551	ug/l	97
8) Diethyl Ether	3.965	74	31955	17.905	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.377	101	49499	16.920	ug/l	99
10) Methyl Iodide	4.595	142	50121	19.744	ug/l	96
11) Tert butyl alcohol	5.518	59	41321	74.271	ug/l	96
12) 1,1-Dichloroethene	4.348	96	45777	16.995	ug/l #	82
13) Acrolein	4.177	56	54479	98.342	ug/l	97
14) Allyl chloride	5.030	41	71994	16.562	ug/l #	90
15) Acrylonitrile	5.730	53	140823	87.307	ug/l	99
16) Acetone	4.424	43	138420	94.410	ug/l	92
17) Carbon Disulfide	4.718	76	124648	14.835	ug/l	99
18) Methyl Acetate	5.030	43	118818	16.558	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	162732	18.594	ug/l #	91
20) Methylene Chloride	5.289	84	61314	18.721	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	51656	16.420	ug/l #	78
22) Diisopropyl ether	6.677	45	182417	18.715	ug/l #	91
23) Vinyl Acetate	6.606	43	479739	87.500	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	108618	18.208	ug/l	98
25) 2-Butanone	7.489	43	184304	84.695	ug/l #	79
26) 2,2-Dichloropropane	7.500	77	85348	18.721	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	62042	18.153	ug/l	89
28) Bromochloromethane	7.818	49	54828	19.317	ug/l #	76
29) Tetrahydrofuran	7.841	42	116191	82.559	ug/l #	77
30) Chloroform	7.965	83	111119	18.436	ug/l	86
31) Cyclohexane	8.259	56	83833	15.988	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	90951	17.931	ug/l	94
36) 1,1-Dichloropropene	8.371	75	76886	17.807	ug/l	95
37) Ethyl Acetate	7.565	43	77633	18.069	ug/l #	91
38) Carbon Tetrachloride	8.365	117	77426	17.912	ug/l	94
39) Methylcyclohexane	9.606	83	68209	16.442	ug/l #	82
40) Benzene	8.606	78	238306	18.584	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	38439	17.018	ug/l	88
42) 1,2-Dichloroethane	8.677	62	86054	18.468	ug/l	98
43) Isopropyl Acetate	8.694	43	123406	16.395	ug/l #	90
44) Trichloroethene	9.353	130	55591	18.419	ug/l	97
45) 1,2-Dichloropropane	9.624	63	62903	18.618	ug/l	96
46) Dibromomethane	9.712	93	42429	19.390	ug/l	94
47) Bromodichloromethane	9.894	83	89241	19.826	ug/l #	99
48) Methyl methacrylate	9.683	41	56533	17.527	ug/l #	81
49) 1,4-Dioxane	9.700	88	19238	323.802	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	378631	89.109	ug/l	89
52) Toluene	10.635	92	143829	19.055	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	84674	18.667	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	94945	19.120	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	60176	19.858	ug/l	97
56) Ethyl methacrylate	10.877	69	77301	18.564	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	103446	19.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	164039	102.864	ug/l	89
59) 2-Hexanone	11.200	43	267278	87.170	ug/l	88
60) Dibromochloromethane	11.365	129	60803	19.964	ug/l	98
61) 1,2-Dibromoethane	11.471	107	56727	18.863	ug/l	98
64) Tetrachloroethene	11.106	164	45386	18.175	ug/l	92
65) Chlorobenzene	11.894	112	147511	18.247	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	57262	19.346	ug/l	97
67) Ethyl Benzene	11.965	91	253162	18.018	ug/l	95
68) m/p-Xylenes	12.076	106	192721	37.749	ug/l	95
69) o-Xylene	12.406	106	89838	17.893	ug/l	92
70) Styrene	12.412	104	147098	18.548	ug/l	97
71) Bromoform	12.582	173	39531	18.248	ug/l #	99
73) Isopropylbenzene	12.700	105	226719	16.856	ug/l	99
74) N-amyl acetate	12.500	43	90678	16.445	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	85193	18.867	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	73985m	17.749	ug/l	
77) Bromobenzene	12.982	156	56444	17.115	ug/l	97
78) n-propylbenzene	13.041	91	270955	17.805	ug/l	96
79) 2-Chlorotoluene	13.129	91	166641	17.113	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	188812	17.802	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	21526	14.983	ug/l #	67
82) 4-Chlorotoluene	13.223	91	160429	17.313	ug/l	99
83) tert-Butylbenzene	13.441	119	148532	17.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	186922	18.467	ug/l	99
85) sec-Butylbenzene	13.618	105	210493	17.366	ug/l	100
86) p-Isopropyltoluene	13.729	119	165112	17.757	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	91533	17.499	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	89639	16.596	ug/l	98
89) n-Butylbenzene	14.059	91	125820	16.945	ug/l	98
90) Hexachloroethane	14.335	117	35836	18.321	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	90575	17.752	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12027	15.464	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	22327	14.129	ug/l	96
94) Hexachlorobutadiene	15.506	225	20985	17.050	ug/l	94
95) Naphthalene	15.647	128	58298	12.081	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	27533	14.600	ug/l	98

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

