

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
 Data File : VN085655.D
 Acq On : 04 Feb 2025 16:37
 Operator : JC\MD
 Sample : VN0204WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/05/2025
 Supervised By : Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 01:07:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	250474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172816	42.743	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.480%		
35) Dibromofluoromethane	8.165	113	142777	52.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.420%		
50) Toluene-d8	10.565	98	466570	48.017	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.847	95	159331	47.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	67634	19.943	ug/l	98
3) Chloromethane	2.359	50	63076	17.178	ug/l	100
4) Vinyl Chloride	2.506	62	76128	20.627	ug/l	97
5) Bromomethane	2.953	94	49884	22.376	ug/l	98
6) Chloroethane	3.118	64	50094	21.408	ug/l #	87
7) Trichlorofluoromethane	3.495	101	112309	20.972	ug/l	100
8) Diethyl Ether	3.965	74	38321	20.714	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.377	101	63013	20.891	ug/l	98
10) Methyl Iodide	4.589	142	81140	23.491	ug/l #	97
11) Tert butyl alcohol	5.518	59	52265	112.891	ug/l	99
12) 1,1-Dichloroethene	4.336	96	58315	21.693	ug/l	88
13) Acrolein	4.177	56	40152	63.532	ug/l	99
14) Allyl chloride	5.024	41	74722	17.130	ug/l	95
15) Acrylonitrile	5.718	53	148522	100.998	ug/l	99
16) Acetone	4.424	43	121256	92.818	ug/l	94
17) Carbon Disulfide	4.706	76	168991	20.417	ug/l	99
18) Methyl Acetate	5.024	43	73954	18.617	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	190486	21.823	ug/l	96
20) Methylene Chloride	5.277	84	66374	20.523	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	59956	20.870	ug/l	96
22) Diisopropyl ether	6.671	45	179895	18.581	ug/l	97
23) Vinyl Acetate	6.606	43	648302	95.681	ug/l	96
24) 1,1-Dichloroethane	6.559	63	113758	19.269	ug/l	97
25) 2-Butanone	7.483	43	189350	98.494	ug/l	94
26) 2,2-Dichloropropane	7.488	77	100142	20.981	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	70286	20.772	ug/l	94
28) Bromochloromethane	7.812	49	42897	15.618	ug/l #	82
29) Tetrahydrofuran	7.841	42	123148	101.037	ug/l	89
30) Chloroform	7.965	83	120068	19.678	ug/l	95
31) Cyclohexane	8.253	56	92756	18.077	ug/l #	87
32) 1,1,1-Trichloroethane	8.171	97	107522	20.090	ug/l	94
36) 1,1-Dichloropropene	8.371	75	80237	20.905	ug/l	97
37) Ethyl Acetate	7.559	43	75695	19.538	ug/l #	95
38) Carbon Tetrachloride	8.359	117	93378	21.250	ug/l	99
39) Methylcyclohexane	9.600	83	74735	20.720	ug/l	94
40) Benzene	8.606	78	256293	22.223	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	42732	21.201	ug/l	94
42) 1,2-Dichloroethane	8.665	62	80112	18.444	ug/l	98
43) Isopropyl Acetate	8.688	43	129867	20.920	ug/l	100
44) Trichloroethene	9.353	130	54471	20.291	ug/l	96
45) 1,2-Dichloropropane	9.618	63	54518	18.507	ug/l	92
46) Dibromomethane	9.706	93	42107	19.810	ug/l	97
47) Bromodichloromethane	9.888	83	82292	19.003	ug/l	99
48) Methyl methacrylate	9.682	41	50846	18.201	ug/l #	86
49) 1,4-Dioxane	9.694	88	19845	421.835	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	349156	96.926	ug/l	93
52) Toluene	10.629	92	143888	21.533	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	82951	20.270	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	88864	20.329	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	55559	21.009	ug/l	95
56) Ethyl methacrylate	10.871	69	83221	19.891	ug/l	88
57) 1,3-Dichloropropane	11.165	76	93182	20.265	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	114733	68.367	ug/l	95
59) 2-Hexanone	11.194	43	256296	101.116	ug/l	92
60) Dibromochloromethane	11.359	129	63273	19.818	ug/l	98
61) 1,2-Dibromoethane	11.465	107	54817	20.824	ug/l	100
64) Tetrachloroethene	11.100	164	49290	20.539	ug/l	98
65) Chlorobenzene	11.888	112	159321	20.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	54350	19.203	ug/l	98
67) Ethyl Benzene	11.965	91	268719	21.395	ug/l	100
68) m/p-Xylenes	12.070	106	210638	45.376	ug/l	93
69) o-Xylene	12.400	106	102151	23.027	ug/l	98
70) Styrene	12.412	104	169955	23.149	ug/l	95
71) Bromoform	12.576	173	42989	21.228	ug/l #	100
73) Isopropylbenzene	12.694	105	257943	23.395	ug/l	100
74) N-amyl acetate	12.494	43	100117	20.202	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	78295	20.103	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	64365m	19.385	ug/l	
77) Bromobenzene	12.982	156	62751	21.784	ug/l	90
78) n-propylbenzene	13.035	91	286507	21.950	ug/l	94
79) 2-Chlorotoluene	13.123	91	179331	21.229	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	202037	22.184	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	27819m	22.668	ug/l	
82) 4-Chlorotoluene	13.217	91	173140	20.584	ug/l	95
83) tert-Butylbenzene	13.435	119	180098	23.548	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	208039	22.919	ug/l	96
85) sec-Butylbenzene	13.612	105	242783	22.904	ug/l	98
86) p-Isopropyltoluene	13.729	119	204722	22.987	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	106100	20.000	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	107417	19.535	ug/l	99
89) n-Butylbenzene	14.053	91	175860	23.126	ug/l	98
90) Hexachloroethane	14.329	117	37770	18.717	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	107206	20.260	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15213	21.390	ug/l	85
93) 1,2,4-Trichlorobenzene	15.388	180	51534	20.954	ug/l	95
94) Hexachlorobutadiene	15.500	225	21348	16.350	ug/l	96
95) Naphthalene	15.635	128	208295	28.382	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.841	180	49703	19.973	ug/l	95

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

