

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080898.D
 Acq On : 05 Feb 2024 15:50
 Operator : JC\MD
 Sample : VN0205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 02/06/2024

Supervised By :Mahesh
 Dadoda
 02/06/2024

Quant Time: Feb 06 04:43:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	115173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	188119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130567	65.530	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 131.060%#			
35) Dibromofluoromethane	8.165	113	77928	58.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.420%			
50) Toluene-d8	10.571	98	270947	52.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.847	95	106876	59.040	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38703	22.624	ug/l	95
3) Chloromethane	2.359	50	40637	15.803	ug/l	95
4) Vinyl Chloride	2.512	62	39330	20.118	ug/l	94
5) Bromomethane	2.959	94	16911	21.627	ug/l	100
6) Chloroethane	3.124	64	23201	22.260	ug/l	94
7) Trichlorofluoromethane	3.500	101	64355	25.435	ug/l	97
8) Diethyl Ether	3.959	74	22214	19.032	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	31378	21.267	ug/l	96
10) Methyl Iodide	4.589	142	25393	20.388	ug/l	92
11) Tert butyl alcohol	5.524	59	35538	109.417	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	27891	17.253	ug/l #	77
13) Acrolein	4.171	56	35792	87.387	ug/l	93
14) Allyl chloride	5.018	41	63729	19.944	ug/l #	85
15) Acrylonitrile	5.718	53	88008	90.097	ug/l	94
16) Acetone	4.430	43	95798	132.572	ug/l	92
17) Carbon Disulfide	4.718	76	78738	15.645	ug/l	99
18) Methyl Acetate	5.030	43	53349	21.184	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	119146	20.916	ug/l	95
20) Methylene Chloride	5.265	84	36307	19.140	ug/l #	91
21) trans-1,2-Dichloroethene	5.789	96	31608	17.996	ug/l	92
22) Diisopropyl ether	6.677	45	137886	19.557	ug/l	96
23) Vinyl Acetate	6.600	43	539543	105.763	ug/l	97
24) 1,1-Dichloroethane	6.571	63	73174	20.464	ug/l	97
25) 2-Butanone	7.483	43	136520	99.465	ug/l	95
26) 2,2-Dichloropropane	7.494	77	67963	23.516	ug/l	89
27) cis-1,2-Dichloroethene	7.488	96	36423	17.915	ug/l	87
28) Bromochloromethane	7.818	49	39197	20.705	ug/l #	26
29) Tetrahydrofuran	7.841	42	87219	93.911	ug/l	94
30) Chloroform	7.965	83	71375	21.486	ug/l	90
31) Cyclohexane	8.265	56	62445	18.277	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	62564	23.225	ug/l	92
36) 1,1-Dichloropropene	8.377	75	51963	21.064	ug/l	93
37) Ethyl Acetate	7.559	43	57342	22.580	ug/l #	93
38) Carbon Tetrachloride	8.365	117	49697	25.003	ug/l #	95
39) Methylcyclohexane	9.600	83	45546	18.575	ug/l #	71
40) Benzene	8.606	78	143149	19.743	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32788	21.906	ug/l	92
42) 1,2-Dichloroethane	8.677	62	68103	28.831	ug/l	96
43) Isopropyl Acetate	8.688	43	100537	21.745	ug/l	97
44) Trichloroethene	9.353	130	30143	18.875	ug/l	94
45) 1,2-Dichloropropane	9.624	63	40125	20.449	ug/l	92
46) Dibromomethane	9.712	93	25287	21.740	ug/l	97
47) Bromodichloromethane	9.888	83	57017	24.144	ug/l #	99
48) Methyl methacrylate	9.682	41	50400	22.485	ug/l	87
49) 1,4-Dioxane	9.694	88	11363	420.857	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	289766	112.110	ug/l	94
52) Toluene	10.629	92	80046	19.255	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	59308	21.558	ug/l #	87
54) cis-1,3-Dichloropropene	10.318	75	63396	21.191	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	31986	20.021	ug/l	93
56) Ethyl methacrylate	10.876	69	52654	21.439	ug/l #	79
57) 1,3-Dichloropropane	11.165	76	61350	20.404	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	124962	87.279	ug/l	99
59) 2-Hexanone	11.194	43	222843	110.995	ug/l	91
60) Dibromochloromethane	11.353	129	33837	22.770	ug/l	97
61) 1,2-Dibromoethane	11.465	107	32195	21.502	ug/l	100
64) Tetrachloroethene	11.106	164	27263	22.049	ug/l #	83
65) Chlorobenzene	11.894	112	79843	19.447	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.965	131	30809	23.076	ug/l	96
67) Ethyl Benzene	11.965	91	160022	20.970	ug/l	97
68) m/p-Xylenes	12.076	106	108306	39.965	ug/l	85
69) o-Xylene	12.400	106	53927	20.026	ug/l	84
70) Styrene	12.412	104	88542	20.474	ug/l	91
71) Bromoform	12.582	173	20642	22.866	ug/l #	97
73) Isopropylbenzene	12.700	105	136388	19.270	ug/l	98
74) N-amyl acetate	12.494	43	85454	19.447	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	46874	18.828	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	46214m	19.826	ug/l	
77) Bromobenzene	12.976	156	29320	19.380	ug/l	94
78) n-propylbenzene	13.041	91	169872	20.090	ug/l	97
79) 2-Chlorotoluene	13.129	91	108924	20.268	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	114154	20.252	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	15231	16.833	ug/l #	67
82) 4-Chlorotoluene	13.223	91	107281	20.161	ug/l	95
83) tert-Butylbenzene	13.441	119	89765	19.942	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	116181	20.344	ug/l	100
85) sec-Butylbenzene	13.617	105	132994	20.041	ug/l	100
86) p-Isopropyltoluene	13.729	119	106235	20.600	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	51956	19.199	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	50934	18.774	ug/l	93
89) n-Butylbenzene	14.059	91	98239	19.466	ug/l	98
90) Hexachloroethane	14.335	117	17154	19.010	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	49214	19.870	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10032	21.558	ug/l	89
93) 1,2,4-Trichlorobenzene	15.400	180	25572	20.059	ug/l	97
94) Hexachlorobutadiene	15.500	225	12778	22.943	ug/l	95
95) Naphthalene	15.647	128	92591	18.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	24105	19.237	ug/l	98

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

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