

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081245.D
 Acq On : 28 Feb 2024 16:05
 Operator : JC\MD
 Sample : VN0228WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/29/2024
 Supervised By : Mahesh Dadoda 02/29/2024

Quant Time: Feb 28 23:27:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	246950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	468834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	421687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	188958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159585	52.722	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.440%			
35) Dibromofluoromethane	8.171	113	139249	52.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.040%			
50) Toluene-d8	10.571	98	440332	46.764	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.853	95	171538	48.483	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	65330	20.456	ug/l	97
3) Chloromethane	2.359	50	64266	17.680	ug/l	92
4) Vinyl Chloride	2.518	62	72432	20.418	ug/l	98
5) Bromomethane	2.965	94	47282	18.766	ug/l	96
6) Chloroethane	3.124	64	49435	21.043	ug/l	99
7) Trichlorofluoromethane	3.500	101	105697	20.395	ug/l	99
8) Diethyl Ether	3.965	74	36494	19.261	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	59083	20.451	ug/l	91
10) Methyl Iodide	4.595	142	51279	15.901	ug/l	98
11) Tert butyl alcohol	5.524	59	65707	118.037	ug/l	99
12) 1,1-Dichloroethene	4.342	96	53384	19.116	ug/l	96
13) Acrolein	4.183	56	22403	75.087	ug/l	93
14) Allyl chloride	5.018	41	79861	19.273	ug/l #	94
15) Acrylonitrile	5.718	53	172710	118.797	ug/l	97
16) Acetone	4.430	43	141798	119.055	ug/l	97
17) Carbon Disulfide	4.706	76	123109	15.805	ug/l	99
18) Methyl Acetate	5.024	43	83580	28.767	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	201559	21.073	ug/l	99
20) Methylene Chloride	5.283	84	68690	21.769	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	61465	19.727	ug/l	98
22) Diisopropyl ether	6.671	45	203483	21.648	ug/l	96
23) Vinyl Acetate	6.606	43	796231	104.406	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	118044	21.719	ug/l	95
25) 2-Butanone	7.483	43	228584	118.798	ug/l	96
26) 2,2-Dichloropropane	7.494	77	100460	19.727	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	72532	20.036	ug/l	89
28) Bromochloromethane	7.812	49	56787	25.203	ug/l #	69
29) Tetrahydrofuran	7.841	42	153817	119.753	ug/l	89
30) Chloroform	7.965	83	129394	22.395	ug/l	100
31) Cyclohexane	8.259	56	99092	18.959	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	114934	21.842	ug/l	89
36) 1,1-Dichloropropene	8.377	75	86311	19.003	ug/l	98
37) Ethyl Acetate	7.559	43	94622	23.083	ug/l	99
38) Carbon Tetrachloride	8.365	117	93503	20.348	ug/l	96
39) Methylcyclohexane	9.606	83	97277	18.373	ug/l	88
40) Benzene	8.606	78	270900	20.606	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	50596	21.688	ug/l	97
42) 1,2-Dichloroethane	8.677	62	99509	21.695	ug/l	99
43) Isopropyl Acetate	8.694	43	155727	21.722	ug/l #	96
44) Trichloroethene	9.353	130	67145	19.176	ug/l	93
45) 1,2-Dichloropropane	9.624	63	69910	21.259	ug/l	92
46) Dibromomethane	9.712	93	49425	20.627	ug/l	94
47) Bromodichloromethane	9.888	83	97320	21.445	ug/l #	96
48) Methyl methacrylate	9.682	41	70161	21.032	ug/l	88
49) 1,4-Dioxane	9.700	88	30911	482.903	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	498835	120.958	ug/l	96
52) Toluene	10.635	92	169639	20.383	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	99384	19.708	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	107233	19.681	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	69528	21.720	ug/l	96
56) Ethyl methacrylate	10.876	69	101649	20.777	ug/l	89
57) 1,3-Dichloropropane	11.171	76	121094	21.878	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	245134	99.864	ug/l #	88
59) 2-Hexanone	11.200	43	375869	114.961	ug/l	97
60) Dibromochloromethane	11.365	129	68721	20.208	ug/l	97
61) 1,2-Dibromoethane	11.476	107	70990	21.089	ug/l	97
64) Tetrachloroethene	11.106	164	61384	21.329	ug/l	95
65) Chlorobenzene	11.894	112	180541	19.782	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	64996	19.828	ug/l	96
67) Ethyl Benzene	11.965	91	319604	19.570	ug/l	98
68) m/p-Xylenes	12.076	106	241487	38.578	ug/l	95
69) o-Xylene	12.406	106	119477	19.255	ug/l	94
70) Styrene	12.412	104	195124	19.845	ug/l	97
71) Bromoform	12.582	173	45474	21.865	ug/l #	97
73) Isopropylbenzene	12.700	105	310137	18.759	ug/l	98
74) N-amyl acetate	12.494	43	129973	18.601	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	101411	21.814	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	83108m	19.358	ug/l	
77) Bromobenzene	12.982	156	70840	19.217	ug/l	81
78) n-propylbenzene	13.041	91	369494	19.414	ug/l	98
79) 2-Chlorotoluene	13.129	91	221987	19.016	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	263760	19.677	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	30447m	18.254	ug/l	
82) 4-Chlorotoluene	13.223	91	218256	19.121	ug/l	95
83) tert-Butylbenzene	13.441	119	231553	19.978	ug/l	92
84) 1,2,4-Trimethylbenzene	13.488	105	260281	19.486	ug/l	96
85) sec-Butylbenzene	13.617	105	324469	20.137	ug/l	95
86) p-Isopropyltoluene	13.735	119	258285	19.298	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	128965	18.516	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	130405	19.054	ug/l	99
89) n-Butylbenzene	14.059	91	224469	19.251	ug/l	97
90) Hexachloroethane	14.341	117	44509	20.119	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	130037	19.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21455	22.198	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	67465	18.001	ug/l	99
94) Hexachlorobutadiene	15.506	225	25648	18.350	ug/l	97
95) Naphthalene	15.647	128	252655	18.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	71783	19.307	ug/l	99

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

