

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080896.D
 Acq On : 05 Feb 2024 15:02
 Operator : JC\MD
 Sample : VN0205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 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 04:42:26 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	104834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	177659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113888	62.797	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.600%#			
35) Dibromofluoromethane	8.165	113	67244	54.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.800%			
50) Toluene-d8	10.565	98	238176	49.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.853	95	82822	49.581	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	27559	17.699	ug/l	100
3) Chloromethane	2.359	50	39369	16.820	ug/l	100
4) Vinyl Chloride	2.512	62	30025	16.873	ug/l	91
5) Bromomethane	2.959	94	14313	20.109	ug/l	94
6) Chloroethane	3.118	64	19480	20.533	ug/l #	88
7) Trichlorofluoromethane	3.500	101	40590	17.625	ug/l	98
8) Diethyl Ether	3.959	74	19916	18.746	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	24862	18.513	ug/l	96
10) Methyl Iodide	4.594	142	19527	17.224	ug/l #	82
11) Tert butyl alcohol	5.524	59	26300	88.960	ug/l	99
12) 1,1-Dichloroethene	4.342	96	24670	16.765	ug/l	90
13) Acrolein	4.183	56	34627	92.880	ug/l	98
14) Allyl chloride	5.024	41	51718	17.781	ug/l	97
15) Acrylonitrile	5.724	53	85166	95.786	ug/l	97
16) Acetone	4.430	43	67142	102.079	ug/l	98
17) Carbon Disulfide	4.718	76	74606	16.286	ug/l	98
18) Methyl Acetate	5.030	43	47870	20.883	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	94474	18.221	ug/l	93
20) Methylene Chloride	5.277	84	31392	18.181	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	28709	17.958	ug/l	88
22) Diisopropyl ether	6.671	45	119527	18.625	ug/l	94
23) Vinyl Acetate	6.606	43	475574m	102.417	ug/l	
24) 1,1-Dichloroethane	6.565	63	65536	20.136	ug/l	98
25) 2-Butanone	7.482	43	120091	96.124	ug/l	96
26) 2,2-Dichloropropane	7.488	77	55903	21.251	ug/l	90
27) cis-1,2-Dichloroethene	7.488	96	31148	16.831	ug/l	83
28) Bromochloromethane	7.818	49	36241	21.031	ug/l	96
29) Tetrahydrofuran	7.835	42	75458	89.260	ug/l	99
30) Chloroform	7.965	83	61745	20.420	ug/l	93
31) Cyclohexane	8.259	56	50625	16.279	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	52522	21.420	ug/l	91
36) 1,1-Dichloropropene	8.371	75	46308	20.343	ug/l	97
37) Ethyl Acetate	7.553	43	48605	20.741	ug/l	97
38) Carbon Tetrachloride	8.365	117	41597	22.679	ug/l	89
39) Methylcyclohexane	9.600	83	39410	17.418	ug/l	99
40) Benzene	8.606	78	124015	18.536	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	26074	18.878	ug/l	92
42) 1,2-Dichloroethane	8.671	62	58445	26.813	ug/l	94
43) Isopropyl Acetate	8.688	43	90225	21.147	ug/l	97
44) Trichloroethene	9.353	130	27240	18.485	ug/l	88
45) 1,2-Dichloropropane	9.624	63	36582	20.204	ug/l	90
46) Dibromomethane	9.712	93	23267	21.677	ug/l	96
47) Bromodichloromethane	9.888	83	48679	22.338	ug/l #	94
48) Methyl methacrylate	9.682	41	44271	21.404	ug/l	90
49) 1,4-Dioxane	9.694	88	10876	436.533	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	257278	107.871	ug/l	96
52) Toluene	10.635	92	72060	18.785	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	53199	20.956	ug/l	92
54) cis-1,3-Dichloropropene	10.312	75	56722	20.547	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	30388	20.612	ug/l	94
56) Ethyl methacrylate	10.871	69	51018	22.511	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	61266	22.081	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	137850	104.338	ug/l	95
59) 2-Hexanone	11.200	43	203257	109.712	ug/l	96
60) Dibromochloromethane	11.359	129	26696	19.468	ug/l	96
61) 1,2-Dibromoethane	11.465	107	27590	19.969	ug/l	100
64) Tetrachloroethene	11.106	164	23593	20.204	ug/l	92
65) Chlorobenzene	11.894	112	73992	19.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	24997	19.825	ug/l	99
67) Ethyl Benzene	11.965	91	133362	18.506	ug/l	95
68) m/p-Xylenes	12.070	106	99358	38.822	ug/l	95
69) o-Xylene	12.406	106	49242	19.363	ug/l	98
70) Styrene	12.412	104	78505	19.222	ug/l	98
71) Bromoform	12.582	173	14610	17.137	ug/l #	97
73) Isopropylbenzene	12.700	105	114708	18.170	ug/l	99
74) N-amyl acetate	12.494	43	70500	17.986	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	44683	20.121	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	56629	27.236	ug/l	60
77) Bromobenzene	12.982	156	24779	18.361	ug/l	96
78) n-propylbenzene	13.041	91	140322	18.605	ug/l	100
79) 2-Chlorotoluene	13.129	91	88697	18.503	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	95643	19.023	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	14978	18.558	ug/l #	92
82) 4-Chlorotoluene	13.223	91	88680	18.683	ug/l	97
83) tert-Butylbenzene	13.441	119	74591	18.578	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	93843	18.422	ug/l	98
85) sec-Butylbenzene	13.617	105	112450	18.997	ug/l	98
86) p-Isopropyltoluene	13.729	119	82286	17.888	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	44193	18.308	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	45903	18.968	ug/l	98
89) n-Butylbenzene	14.059	91	83486	18.546	ug/l	98
90) Hexachloroethane	14.335	117	13933	17.310	ug/l	97
91) 1,2-Dichlorobenzene	14.111	146	44925	20.334	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7361	17.734	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	21356	18.781	ug/l	99
94) Hexachlorobutadiene	15.511	225	8521	17.152	ug/l	92
95) Naphthalene	15.641	128	78465	18.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	22386	20.029	ug/l	88

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

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