

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
 Data File : VN082146.D
 Acq On : 15 May 2024 21:14
 Operator : JC\MD
 Sample : VN0515WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2024
 Supervised By : Mahesh Dadoda 05/16/2024

Quant Time: May 16 05:53:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	187266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	147196	49.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
35) Dibromofluoromethane	8.165	113	99581	50.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.460%		
50) Toluene-d8	10.565	98	375729	49.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.853	95	133995	49.394	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	98.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56293	20.850	ug/l	97
3) Chloromethane	2.365	50	62335	20.372	ug/l	98
4) Vinyl Chloride	2.518	62	59110	20.549	ug/l	96
5) Bromomethane	2.965	94	31124	18.824	ug/l	98
6) Chloroethane	3.124	64	38224	20.351	ug/l	96
7) Trichlorofluoromethane	3.500	101	78836	20.930	ug/l	98
8) Diethyl Ether	3.959	74	27202	20.272	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.371	101	44007	20.000	ug/l	96
10) Methyl Iodide	4.589	142	46207	20.889	ug/l	98
11) Tert butyl alcohol	5.512	59	50310	105.992	ug/l	98
12) 1,1-Dichloroethene	4.342	96	40804	19.951	ug/l #	77
13) Acrolein	4.177	56	38731	110.112	ug/l	96
14) Allyl chloride	5.024	41	83272	19.018	ug/l #	91
15) Acrylonitrile	5.718	53	127620	103.814	ug/l	99
16) Acetone	4.424	43	116764	96.260	ug/l	92
17) Carbon Disulfide	4.712	76	126495	19.150	ug/l	99
18) Methyl Acetate	5.024	43	61783	20.452	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	150128	20.083	ug/l	93
20) Methylene Chloride	5.277	84	49002	20.022	ug/l #	78
21) trans-1,2-Dichloroethene	5.789	96	43467	19.503	ug/l #	72
22) Diisopropyl ether	6.677	45	186409	20.387	ug/l #	90
23) Vinyl Acetate	6.600	43	737172	102.259	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	94452	20.042	ug/l	97
25) 2-Butanone	7.483	43	184793	100.480	ug/l #	82
26) 2,2-Dichloropropane	7.488	77	72133	18.274	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	52778	20.066	ug/l	79
28) Bromochloromethane	7.812	49	41392	19.601	ug/l #	73
29) Tetrahydrofuran	7.847	42	123746	104.798	ug/l #	81
30) Chloroform	7.965	83	92831	20.627	ug/l	98
31) Cyclohexane	8.259	56	93811	19.864	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	80395	20.136	ug/l	93
36) 1,1-Dichloropropene	8.371	75	66591	20.028	ug/l	96
37) Ethyl Acetate	7.565	43	74871	20.122	ug/l	94
38) Carbon Tetrachloride	8.365	117	67388	19.994	ug/l	96
39) Methylcyclohexane	9.600	83	74869	20.543	ug/l #	87
40) Benzene	8.606	78	202495	20.424	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	43991	20.103	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	77348	20.284	ug/l	95
43) Isopropyl Acetate	8.688	43	134212	20.356	ug/l #	90
44) Trichloroethene	9.353	130	44841	19.910	ug/l	95
45) 1,2-Dichloropropane	9.624	63	53479	20.905	ug/l	100
46) Dibromomethane	9.712	93	34462	20.519	ug/l	96
47) Bromodichloromethane	9.888	83	72659	20.493	ug/l #	95
48) Methyl methacrylate	9.682	41	64103	20.404	ug/l #	81
49) 1,4-Dioxane	9.694	88	18889	429.066	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	391633	104.545	ug/l	89
52) Toluene	10.629	92	124062	20.851	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	72137	19.672	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	78319	20.178	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	44378	20.524	ug/l	96
56) Ethyl methacrylate	10.876	69	75663	20.611	ug/l #	67
57) 1,3-Dichloropropane	11.165	76	83063	20.546	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	195588	103.293	ug/l	90
59) 2-Hexanone	11.194	43	283592	103.392	ug/l	88
60) Dibromochloromethane	11.359	129	49654	20.809	ug/l	99
61) 1,2-Dibromoethane	11.471	107	44166	19.887	ug/l	98
64) Tetrachloroethene	11.106	164	42952	19.998	ug/l	96
65) Chlorobenzene	11.894	112	127156	19.863	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	42993	20.389	ug/l	99
67) Ethyl Benzene	11.965	91	232420	20.296	ug/l	97
68) m/p-Xylenes	12.070	106	170746	40.682	ug/l	91
69) o-Xylene	12.400	106	82419	20.272	ug/l	92
70) Styrene	12.412	104	136517	20.216	ug/l	94
71) Bromoform	12.582	173	31224	19.058	ug/l #	99
73) Isopropylbenzene	12.694	105	212917	20.507	ug/l	98
74) N-amyl acetate	12.494	43	115003	20.137	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.935	83	61460	20.535	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	57335m	20.844	ug/l	
77) Bromobenzene	12.982	156	49077	19.835	ug/l	86
78) n-propylbenzene	13.035	91	252241	20.517	ug/l	96
79) 2-Chlorotoluene	13.123	91	153982	19.945	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	178814	21.300	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	21889	18.613	ug/l #	78
82) 4-Chlorotoluene	13.223	91	154736	20.500	ug/l	93
83) tert-Butylbenzene	13.441	119	149065	20.296	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	176258	20.521	ug/l	96
85) sec-Butylbenzene	13.617	105	210423	20.670	ug/l	97
86) p-Isopropyltoluene	13.729	119	169413	20.477	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	90213	20.125	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	91103	19.913	ug/l	98
89) n-Butylbenzene	14.059	91	148184	19.927	ug/l	98
90) Hexachloroethane	14.335	117	31350	20.452	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	86807	20.458	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12873	20.935	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	46485	19.544	ug/l	97
94) Hexachlorobutadiene	15.500	225	20344	19.493	ug/l	97
95) Naphthalene	15.641	128	147239	19.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	48065	20.187	ug/l	98

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

