

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080158.D
 Acq On : 17 Nov 2023 13:17
 Operator : JC\MD
 Sample : VN1117WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 18 02:28:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	247447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	400510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	363299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	212279	51.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.920%			
35) Dibromofluoromethane	8.171	113	151848	51.383	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	10.571	98	567297	53.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.853	95	214471	53.300	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	68800	18.666	ug/l	96
3) Chloromethane	2.359	50	53455	19.290	ug/l	98
4) Vinyl Chloride	2.512	62	58464	19.936	ug/l	96
5) Bromomethane	2.953	94	37401	18.786	ug/l	95
6) Chloroethane	3.118	64	34435	17.881	ug/l	95
7) Trichlorofluoromethane	3.495	101	110859	18.121	ug/l	99
8) Diethyl Ether	3.959	74	33508	18.834	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	51183	18.305	ug/l	95
10) Methyl Iodide	4.589	142	57496	19.027	ug/l	92
11) Tert butyl alcohol	5.518	59	47487	105.690	ug/l	99
12) 1,1-Dichloroethene	4.336	96	47936	18.329	ug/l #	82
13) Acrolein	4.177	56	45551	114.557	ug/l	95
14) Allyl chloride	5.024	41	65017	19.759	ug/l	96
15) Acrylonitrile	5.724	53	124386	103.125	ug/l	99
16) Acetone	4.430	43	111026	80.905	ug/l	92
17) Carbon Disulfide	4.712	76	135907	17.404	ug/l	99
18) Methyl Acetate	5.018	43	87474	19.839	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	179307	19.414	ug/l	98
20) Methylene Chloride	5.277	84	58052	20.200	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	54913	19.112	ug/l	89
22) Diisopropyl ether	6.677	45	152730	20.979	ug/l	91
23) Vinyl Acetate	6.606	43	450390	102.907	ug/l #	91
24) 1,1-Dichloroethane	6.571	63	102331	19.299	ug/l	97
25) 2-Butanone	7.488	43	151433	92.878	ug/l #	85
26) 2,2-Dichloropropane	7.488	77	95569	18.167	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	66389	20.381	ug/l	92
28) Bromochloromethane	7.812	49	45910	22.024	ug/l	90
29) Tetrahydrofuran	7.841	42	94349	107.784	ug/l	91
30) Chloroform	7.971	83	114283	19.284	ug/l	99
31) Cyclohexane	8.259	56	82277	18.517	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	110173	19.063	ug/l	99
36) 1,1-Dichloropropene	8.377	75	79877	18.669	ug/l	95
37) Ethyl Acetate	7.565	43	63199	21.295	ug/l	98
38) Carbon Tetrachloride	8.365	117	99207	18.272	ug/l	97
39) Methylcyclohexane	9.606	83	75726	18.356	ug/l	94
40) Benzene	8.612	78	231200	19.013	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	34805	21.355	ug/l	91
42) 1,2-Dichloroethane	8.677	62	97966	19.691	ug/l	96
43) Isopropyl Acetate	8.694	43	105097	18.198	ug/l	98
44) Trichloroethene	9.353	130	58526	18.348	ug/l	95
45) 1,2-Dichloropropane	9.624	63	55476	19.631	ug/l	97
46) Dibromomethane	9.712	93	42228	19.740	ug/l	94
47) Bromodichloromethane	9.888	83	89938	19.113	ug/l	96
48) Methyl methacrylate	9.688	41	57857	19.440	ug/l	93
49) 1,4-Dioxane	9.700	88	20327	410.541	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	316547	105.869	ug/l	98
52) Toluene	10.635	92	145801	19.159	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	92548	19.143	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	95107	19.255	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	58748	20.226	ug/l	93
56) Ethyl methacrylate	10.876	69	60398	20.355	ug/l	89
57) 1,3-Dichloropropane	11.165	76	101253	19.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	193972	116.035	ug/l	95
59) 2-Hexanone	11.200	43	234691	97.681	ug/l	96
60) Dibromochloromethane	11.359	129	65528	18.844	ug/l	99
61) 1,2-Dibromoethane	11.470	107	56435	19.045	ug/l	99
64) Tetrachloroethene	11.106	164	57090	20.591	ug/l	98
65) Chlorobenzene	11.894	112	153154	18.604	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	61354	19.206	ug/l	94
67) Ethyl Benzene	11.965	91	274073	18.710	ug/l	97
68) m/p-Xylenes	12.076	106	209687	39.260	ug/l	90
69) o-Xylene	12.400	106	100050	19.877	ug/l	91
70) Styrene	12.418	104	145128	19.372	ug/l	91
71) Bromoform	12.582	173	44495	18.782	ug/l #	98
73) Isopropylbenzene	12.700	105	259240	19.046	ug/l	99
74) N-amyl acetate	12.500	43	83073	19.571	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	75018	18.415	ug/l	94
76) 1,2,3-Trichloropropane	12.994	75	79352m	18.489	ug/l	
77) Bromobenzene	12.982	156	63479	18.498	ug/l	96
78) n-propylbenzene	13.041	91	296322	19.468	ug/l	98
79) 2-Chlorotoluene	13.129	91	189528	19.172	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	228180	19.258	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	25344	19.951	ug/l #	79
82) 4-Chlorotoluene	13.223	91	195373	19.292	ug/l	96
83) tert-Butylbenzene	13.441	119	180736	19.021	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	228158	19.556	ug/l	98
85) sec-Butylbenzene	13.617	105	233218	19.402	ug/l	100
86) p-Isopropyltoluene	13.735	119	210178	19.574	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	110488	17.870	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	113065	18.197	ug/l	96
89) n-Butylbenzene	14.059	91	167517	18.639	ug/l	99
90) Hexachloroethane	14.341	117	37552	17.939	ug/l	73
91) 1,2-Dichlorobenzene	14.106	146	110991	18.759	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18330	19.371	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	60419	17.558	ug/l	100
94) Hexachlorobutadiene	15.506	225	32104	16.212	ug/l	97
95) Naphthalene	15.647	128	200030	20.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	58059	18.000	ug/l	98

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

