

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082523\
 Data File : VN079045.D
 Acq On : 25 Aug 2023 10:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/28/2023
 Supervised By : Mahesh Dadoda 08/28/2023

Quant Time: Aug 25 23:00:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	228668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	374741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	342379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	153388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159937	44.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.900%		
35) Dibromofluoromethane	8.171	113	133916	53.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.180%		
50) Toluene-d8	10.571	98	468344	50.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.000%		
62) 4-Bromofluorobenzene	12.853	95	165155	53.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	147437	46.468	ug/l	99
3) Chloromethane	2.365	50	153167	34.575	ug/l	97
4) Vinyl Chloride	2.512	62	164040	42.224	ug/l	100
5) Bromomethane	2.936	94	92638	41.531	ug/l	97
6) Chloroethane	3.112	64	110909	40.837	ug/l	96
7) Trichlorofluoromethane	3.489	101	225590	47.674	ug/l	95
8) Diethyl Ether	3.959	74	88125	49.125	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.371	101	121571	48.239	ug/l	97
10) Methyl Iodide	4.589	142	154128	54.661	ug/l	98
11) Tert butyl alcohol	5.530	59	142866	239.273	ug/l	98
12) 1,1-Dichloroethene	4.336	96	115058	46.868	ug/l	85
13) Acrolein	4.183	56	75955	231.980	ug/l	95
14) Allyl chloride	5.024	41	212449	43.481	ug/l #	87
15) Acrylonitrile	5.724	53	381141	235.631	ug/l	98
16) Acetone	4.430	43	361856	246.463	ug/l	93
17) Carbon Disulfide	4.712	76	295725	43.034	ug/l	98
18) Methyl Acetate	5.030	43	289903	46.741	ug/l #	80
19) Methyl tert-butyl Ether	5.800	73	452824	51.206	ug/l #	91
20) Methylene Chloride	5.277	84	146438	46.803	ug/l #	77
21) trans-1,2-Dichloroethene	5.789	96	128865	46.811	ug/l #	85
22) Diisopropyl ether	6.677	45	508658	49.210	ug/l #	88
23) Vinyl Acetate	6.612	43	1635327	240.279	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	267628	47.395	ug/l	99
25) 2-Butanone	7.488	43	552076	234.535	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	219481	48.085	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	158991	47.517	ug/l	83
28) Bromochloromethane	7.818	49	132454	44.218	ug/l #	77
29) Tetrahydrofuran	7.841	42	359737	230.890	ug/l #	72
30) Chloroform	7.971	83	270282	47.910	ug/l	93
31) Cyclohexane	8.259	56	206588	46.362	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	235364	48.930	ug/l	96
36) 1,1-Dichloropropene	8.377	75	197476	52.042	ug/l	95
37) Ethyl Acetate	7.565	43	220004	51.820	ug/l #	88
38) Carbon Tetrachloride	8.365	117	204917	53.896	ug/l	96
39) Methylcyclohexane	9.606	83	185818	53.245	ug/l	90
40) Benzene	8.612	78	581804	51.873	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	126187	54.572	ug/l #	80
42) 1,2-Dichloroethane	8.671	62	221381	52.832	ug/l	97
43) Isopropyl Acetate	8.694	43	382434	50.964	ug/l #	88
44) Trichloroethene	9.359	130	150596	56.509	ug/l	90
45) 1,2-Dichloropropane	9.629	63	156319	52.348	ug/l	94
46) Dibromomethane	9.712	93	107411	52.442	ug/l	92
47) Bromodichloromethane	9.894	83	214563	53.051	ug/l	90
48) Methyl methacrylate	9.688	41	177855	52.303	ug/l #	79
49) 1,4-Dioxane	9.694	88	63701	1099.813	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1141213	256.414	ug/l #	85
52) Toluene	10.635	92	360797	52.395	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	243807	56.212	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	254787	53.937	ug/l #	83
55) 1,1,2-Trichloroethane	11.018	97	150247	54.416	ug/l	97
56) Ethyl methacrylate	10.876	69	235708	55.071	ug/l #	72
57) 1,3-Dichloropropane	11.171	76	260521	52.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	447558	217.839	ug/l	90
59) 2-Hexanone	11.200	43	824063	255.633	ug/l	84
60) Dibromochloromethane	11.365	129	165307	56.894	ug/l	99
61) 1,2-Dibromoethane	11.471	107	153143	54.580	ug/l	97
64) Tetrachloroethene	11.112	164	118435	55.160	ug/l	96
65) Chlorobenzene	11.894	112	390845	53.628	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	149215	54.177	ug/l	97
67) Ethyl Benzene	11.970	91	690767	52.120	ug/l	96
68) m/p-Xylenes	12.076	106	528037	106.562	ug/l	99
69) o-Xylene	12.400	106	261719	54.295	ug/l	97
70) Styrene	12.418	104	428120	53.265	ug/l	97
71) Bromoform	12.582	173	116240	58.052	ug/l #	99
73) Isopropylbenzene	12.700	105	646359	50.537	ug/l	99
74) N-amyl acetate	12.500	43	317331	49.154	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	221312	47.923	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	173504m	46.945	ug/l	
77) Bromobenzene	12.982	156	160033	52.056	ug/l	99
78) n-propylbenzene	13.041	91	745915	50.294	ug/l	99
79) 2-Chlorotoluene	13.129	91	452456	49.180	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	527462	52.041	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	73348	50.697	ug/l	88
82) 4-Chlorotoluene	13.229	91	446628	49.615	ug/l	98
83) tert-Butylbenzene	13.441	119	455491	53.487	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	518516	51.666	ug/l	97
85) sec-Butylbenzene	13.617	105	607101	51.803	ug/l	98
86) p-Isopropyltoluene	13.735	119	505004	53.934	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	274188	51.831	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	270168	51.025	ug/l	98
89) n-Butylbenzene	14.059	91	410545	53.279	ug/l	98
90) Hexachloroethane	14.335	117	93397	49.760	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	275608	52.389	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40238	52.945	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	111439	59.754	ug/l	95
94) Hexachlorobutadiene	15.506	225	54807	58.072	ug/l	100
95) Naphthalene	15.647	128	345551	48.943	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	113715	55.671	ug/l	96

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

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