

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081751.D
 Acq On : 16 Apr 2024 12:03
 Operator : JC\MD
 Sample : VN0416WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2024
 Supervised By : Mahesh Dadoda 04/17/2024

Quant Time: Apr 17 03:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	255207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	455745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	417662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	198290	55.216	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.440%			
35) Dibromofluoromethane	8.165	113	158047	52.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.040%			
50) Toluene-d8	10.570	98	601683	54.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.540%			
62) 4-Bromofluorobenzene	12.853	95	215525	56.887	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 113.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	62309	19.279	ug/l	92
3) Chloromethane	2.359	50	62947	21.423	ug/l	99
4) Vinyl Chloride	2.512	62	80210	20.278	ug/l	97
5) Bromomethane	2.959	94	52743	22.068	ug/l	99
6) Chloroethane	3.118	64	51686	20.541	ug/l	95
7) Trichlorofluoromethane	3.500	101	101863	19.942	ug/l	94
8) Diethyl Ether	3.959	74	33289	18.565	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	58958	18.428	ug/l	99
10) Methyl Iodide	4.589	142	41622	24.238	ug/l	93
11) Tert butyl alcohol	5.518	59	57074	116.508	ug/l #	83
12) 1,1-Dichloroethene	4.336	96	53072	17.503	ug/l	96
13) Acrolein	4.171	56	53287	102.324	ug/l	97
14) Allyl chloride	5.030	41	70446	18.307	ug/l	98
15) Acrylonitrile	5.718	53	137837	101.957	ug/l	98
16) Acetone	4.430	43	100844	100.893	ug/l	99
17) Carbon Disulfide	4.712	76	148556	16.856	ug/l	100
18) Methyl Acetate	5.018	43	57347	20.513	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	184436	20.899	ug/l	98
20) Methylene Chloride	5.277	84	62876	19.995	ug/l	92
21) trans-1,2-Dichloroethene	5.788	96	56745	18.632	ug/l	98
22) Diisopropyl ether	6.671	45	168844	20.163	ug/l	98
23) Vinyl Acetate	6.600	43	694726	106.282	ug/l	99
24) 1,1-Dichloroethane	6.565	63	105420	19.133	ug/l	98
25) 2-Butanone	7.482	43	174444	105.869	ug/l	98
26) 2,2-Dichloropropane	7.488	77	97681	20.338	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	70090	18.814	ug/l	97
28) Bromochloromethane	7.812	49	48940	20.805	ug/l	98
29) Tetrahydrofuran	7.841	42	117028	109.779	ug/l	97
30) Chloroform	7.971	83	116672	18.674	ug/l	96
31) Cyclohexane	8.259	56	91531	18.580	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	104128	18.795	ug/l	97
36) 1,1-Dichloropropene	8.371	75	78902	18.818	ug/l	98
37) Ethyl Acetate	7.559	43	73898	21.448	ug/l	97
38) Carbon Tetrachloride	8.365	117	92549	18.972	ug/l	95
39) Methylcyclohexane	9.600	83	93109	18.849	ug/l	94
40) Benzene	8.606	78	247917	18.981	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	41280	22.071	ug/l	93
42) 1,2-Dichloroethane	8.671	62	88943	19.535	ug/l	100
43) Isopropyl Acetate	8.694	43	128252	19.952	ug/l	98
44) Trichloroethene	9.359	130	60342	17.765	ug/l	96
45) 1,2-Dichloropropane	9.623	63	58334	19.371	ug/l	97
46) Dibromomethane	9.712	93	47561	18.923	ug/l	97
47) Bromodichloromethane	9.888	83	96241	20.045	ug/l	92
48) Methyl methacrylate	9.682	41	58951	22.501	ug/l	96
49) 1,4-Dioxane	9.694	88	30169	459.134	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	398076	111.342	ug/l	99
52) Toluene	10.635	92	165441	19.941	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	95985	20.069	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	100657	19.756	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	63619	20.413	ug/l	93
56) Ethyl methacrylate	10.876	69	90788	21.172	ug/l	94
57) 1,3-Dichloropropane	11.165	76	105017	20.131	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	207916	91.634	ug/l	100
59) 2-Hexanone	11.194	43	298933	115.500	ug/l	98
60) Dibromochloromethane	11.359	129	75029	19.918	ug/l	96
61) 1,2-Dibromoethane	11.470	107	67243	20.684	ug/l	99
64) Tetrachloroethene	11.106	164	66112	18.657	ug/l	96
65) Chlorobenzene	11.894	112	181355	18.871	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	64023	19.528	ug/l	99
67) Ethyl Benzene	11.965	91	303804	20.083	ug/l	97
68) m/p-Xylenes	12.070	106	241476	41.049	ug/l	99
69) o-Xylene	12.400	106	119114	21.129	ug/l	99
70) Styrene	12.412	104	193260	20.925	ug/l	98
71) Bromoform	12.576	173	49560	19.591	ug/l #	99
73) Isopropylbenzene	12.700	105	302053	20.178	ug/l	100
74) N-amyl acetate	12.494	43	111158	20.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	83373	18.957	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	81374m	20.174	ug/l	
77) Bromobenzene	12.982	156	72323	18.950	ug/l	94
78) n-propylbenzene	13.035	91	347181	19.986	ug/l	99
79) 2-Chlorotoluene	13.129	91	209451	19.344	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	257837	21.085	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	32687	20.035	ug/l	98
82) 4-Chlorotoluene	13.223	91	210640	19.692	ug/l	100
83) tert-Butylbenzene	13.441	119	216392	20.204	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	255619	20.723	ug/l	99
85) sec-Butylbenzene	13.617	105	310481	20.774	ug/l	97
86) p-Isopropyltoluene	13.729	119	258358	21.090	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	137093	19.219	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	136682	18.791	ug/l	98
89) n-Butylbenzene	14.059	91	212316	19.823	ug/l	99
90) Hexachloroethane	14.341	117	47802	18.331	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	134289	19.451	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	19692	22.937	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	68831	18.926	ug/l	96
94) Hexachlorobutadiene	15.505	225	26725	17.047	ug/l	91
95) Naphthalene	15.641	128	250868	21.590	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	71682	19.277	ug/l	95

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

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