

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081215.D
 Acq On : 27 Feb 2024 13:34
 Operator : JC\MD
 Sample : VN0227WBS03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2024
 Supervised By : Mahesh Dadoda 02/29/2024

Quant Time: Feb 29 06:54:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	261366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	484811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	440324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	170630	53.262	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.520%			
35) Dibromofluoromethane	8.165	113	145691	53.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.280%			
50) Toluene-d8	10.570	98	471321	48.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.820%			
62) 4-Bromofluorobenzene	12.853	95	181811	49.693	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	71803	21.243	ug/l	97
3) Chloromethane	2.365	50	72962	19.053	ug/l	99
4) Vinyl Chloride	2.512	62	74967	19.967	ug/l	99
5) Bromomethane	2.959	94	53363	20.011	ug/l	81
6) Chloroethane	3.124	64	55807	22.505	ug/l	96
7) Trichlorofluoromethane	3.494	101	122686	22.368	ug/l	97
8) Diethyl Ether	3.965	74	43543	21.714	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	68260	22.324	ug/l	93
10) Methyl Iodide	4.594	142	59780	17.515	ug/l	94
11) Tert butyl alcohol	5.518	59	72532	123.111	ug/l	97
12) 1,1-Dichloroethene	4.347	96	64730	21.900	ug/l	88
13) Acrolein	4.177	56	33539	106.211	ug/l	99
14) Allyl chloride	5.024	41	92032	20.985	ug/l #	90
15) Acrylonitrile	5.718	53	193845	125.981	ug/l	96
16) Acetone	4.424	43	161769	128.332	ug/l	97
17) Carbon Disulfide	4.718	76	145989	17.708	ug/l #	92
18) Methyl Acetate	5.024	43	91818	29.859	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	231229	22.841	ug/l	99
20) Methylene Chloride	5.288	84	77051	23.128	ug/l	87
21) trans-1,2-Dichloroethene	5.788	96	68459	20.760	ug/l	98
22) Diisopropyl ether	6.677	45	227902	22.908	ug/l #	94
23) Vinyl Acetate	6.606	43	911682	112.950	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	132350	23.008	ug/l	97
25) 2-Butanone	7.488	43	261383	128.352	ug/l	94
26) 2,2-Dichloropropane	7.488	77	116269	21.572	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	84453	22.042	ug/l	89
28) Bromochloromethane	7.818	49	58138	24.379	ug/l #	71
29) Tetrahydrofuran	7.841	42	168439	123.904	ug/l #	86
30) Chloroform	7.971	83	140311	22.945	ug/l	98
31) Cyclohexane	8.259	56	112224	20.288	ug/l #	79
32) 1,1,1-Trichloroethane	8.177	97	126716	22.753	ug/l	93
36) 1,1-Dichloropropene	8.371	75	96831	20.617	ug/l	97
37) Ethyl Acetate	7.559	43	104658	24.690	ug/l	95
38) Carbon Tetrachloride	8.365	117	107026	22.523	ug/l	97
39) Methylcyclohexane	9.600	83	114020	20.825	ug/l	93
40) Benzene	8.612	78	299869	22.058	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	54668	22.661	ug/l	93
42) 1,2-Dichloroethane	8.676	62	110972	23.397	ug/l	98
43) Isopropyl Acetate	8.688	43	291322	39.297	ug/l #	87
44) Trichloroethene	9.359	130	77540	21.415	ug/l	90
45) 1,2-Dichloropropane	9.629	63	77862	22.896	ug/l	98
46) Dibromomethane	9.712	93	55350	22.339	ug/l	94
47) Bromodichloromethane	9.894	83	110092	23.460	ug/l #	89
48) Methyl methacrylate	9.682	41	83082	24.085	ug/l	91
49) 1,4-Dioxane	9.694	88	36013	549.335	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	555933	130.361	ug/l	95
52) Toluene	10.635	92	190401	22.123	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	118285	22.683	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	125790	22.326	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	79309	23.959	ug/l #	91
56) Ethyl methacrylate	10.876	69	116108	22.951	ug/l	91
57) 1,3-Dichloropropane	11.165	76	131722	23.014	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	284584	112.114	ug/l #	88
59) 2-Hexanone	11.200	43	422037	124.827	ug/l	97
60) Dibromochloromethane	11.365	129	80030	22.758	ug/l	97
61) 1,2-Dibromoethane	11.470	107	81992	23.555	ug/l	98
64) Tetrachloroethene	11.106	164	69812	23.230	ug/l	95
65) Chlorobenzene	11.894	112	200487	21.038	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	76043	22.216	ug/l	97
67) Ethyl Benzene	11.964	91	365501	21.433	ug/l	100
68) m/p-Xylenes	12.076	106	275900	42.210	ug/l	95
69) o-Xylene	12.400	106	131612	20.313	ug/l	100
70) Styrene	12.412	104	220221	21.449	ug/l	98
71) Bromoform	12.582	173	48417	22.295	ug/l #	97
73) Isopropylbenzene	12.700	105	350776	20.394	ug/l	97
74) N-amyl acetate	12.500	43	154342	21.232	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	111316	23.016	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	104897m	23.485	ug/l	
77) Bromobenzene	12.982	156	80400	20.964	ug/l	79
78) n-propylbenzene	13.041	91	416203	21.020	ug/l	96
79) 2-Chlorotoluene	13.129	91	249057	20.507	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	298304	21.390	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	36932	21.283	ug/l	87
82) 4-Chlorotoluene	13.223	91	248268	20.906	ug/l	96
83) tert-Butylbenzene	13.441	119	258125	21.406	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	296471	21.334	ug/l	96
85) sec-Butylbenzene	13.617	105	371057	22.134	ug/l	96
86) p-Isopropyltoluene	13.735	119	289524	20.793	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	146178	20.173	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	148694	20.883	ug/l	97
89) n-Butylbenzene	14.058	91	255359	21.051	ug/l	98
90) Hexachloroethane	14.335	117	52117	22.644	ug/l	100
91) 1,2-Dichlorobenzene	14.111	146	147090	21.046	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23356	23.227	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	76482	19.616	ug/l	99
94) Hexachlorobutadiene	15.505	225	30435	20.930	ug/l	93
95) Naphthalene	15.641	128	287973	20.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	79981	20.678	ug/l	99

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

