

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092823\
 Data File : VN079366.D
 Acq On : 28 Sep 2023 12:04
 Operator : JC\MD
 Sample : VN0928WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Semsettin Yesilyurt 09/29/2023

Quant Time: Sep 29 04:33:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	153652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	244990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118066	56.922	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.840%			
35) Dibromofluoromethane	8.171	113	91602	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	10.571	98	331666	49.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.280%			
62) 4-Bromofluorobenzene	12.853	95	104919	49.234	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	28834	18.966	ug/l	97
3) Chloromethane	2.365	50	37007	18.543	ug/l	98
4) Vinyl Chloride	2.518	62	42859	19.709	ug/l	100
5) Bromomethane	2.959	94	26638	21.311	ug/l	92
6) Chloroethane	3.118	64	30640	21.473	ug/l	95
7) Trichlorofluoromethane	3.501	101	55995	17.585	ug/l	95
8) Diethyl Ether	3.971	74	20959	18.963	ug/l	63
9) 1,1,2-Trichlorotrifluo...	4.377	101	31993	18.892	ug/l	98
10) Methyl Iodide	4.595	142	33152	23.932	ug/l	92
11) Tert butyl alcohol	5.524	59	32843	85.767	ug/l	100
12) 1,1-Dichloroethene	4.342	96	28940	17.660	ug/l	83
13) Acrolein	4.189	56	44477	121.762	ug/l	95
14) Allyl chloride	5.018	41	47724	18.256	ug/l #	90
15) Acrylonitrile	5.718	53	99685	100.394	ug/l	98
16) Acetone	4.436	43	97387	110.553	ug/l	95
17) Carbon Disulfide	4.712	76	72326	14.121	ug/l	100
18) Methyl Acetate	5.030	43	79420	21.937	ug/l #	82
19) Methyl tert-butyl Ether	5.800	73	110883	19.729	ug/l	97
20) Methylene Chloride	5.283	84	39963	18.642	ug/l	86
21) trans-1,2-Dichloroethene	5.795	96	32863	17.287	ug/l	88
22) Diisopropyl ether	6.677	45	124954	21.785	ug/l #	93
23) Vinyl Acetate	6.606	43	344893	97.758	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	72705	20.562	ug/l	99
25) 2-Butanone	7.489	43	134850	105.506	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	55913	19.269	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	41842	19.249	ug/l	86
28) Bromochloromethane	7.824	49	27739	17.351	ug/l #	73
29) Tetrahydrofuran	7.841	42	83182	102.268	ug/l #	77
30) Chloroform	7.971	83	75171	20.419	ug/l	94
31) Cyclohexane	8.259	56	54337	17.942	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	62590	19.945	ug/l	96
36) 1,1-Dichloropropene	8.377	75	50314	17.941	ug/l	96
37) Ethyl Acetate	7.565	43	50953	18.215	ug/l #	94
38) Carbon Tetrachloride	8.365	117	52248	18.003	ug/l	100
39) Methylcyclohexane	9.606	83	45772	16.546	ug/l #	84
40) Benzene	8.612	78	158768	18.493	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28769	20.398	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	60174	20.360	ug/l	98
43) Isopropyl Acetate	8.694	43	87011	19.064	ug/l #	90
44) Trichloroethene	9.359	130	36384	17.204	ug/l	98
45) 1,2-Dichloropropane	9.624	63	43000	20.182	ug/l	94
46) Dibromomethane	9.712	93	29591	20.458	ug/l	98
47) Bromodichloromethane	9.888	83	60894	20.555	ug/l	98
48) Methyl methacrylate	9.682	41	40047	19.588	ug/l #	79
49) 1,4-Dioxane	9.700	88	15594	370.845	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	276221	104.254	ug/l	89
52) Toluene	10.635	92	94864	17.980	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	58681	18.785	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	64516	19.310	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	40583	19.603	ug/l	91
56) Ethyl methacrylate	10.877	69	53274	18.229	ug/l #	79
57) 1,3-Dichloropropane	11.171	76	69671	19.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	124914	108.492	ug/l	90
59) 2-Hexanone	11.200	43	192619	100.374	ug/l	89
60) Dibromochloromethane	11.365	129	41766	18.956	ug/l	99
61) 1,2-Dibromoethane	11.476	107	38924	18.840	ug/l	99
64) Tetrachloroethene	11.106	164	31406	17.581	ug/l	95
65) Chlorobenzene	11.894	112	100951	18.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	38206	18.358	ug/l	96
67) Ethyl Benzene	11.971	91	171569	18.073	ug/l	95
68) m/p-Xylenes	12.076	106	127917	36.151	ug/l	94
69) o-Xylene	12.400	106	61108	18.007	ug/l	91
70) Styrene	12.418	104	101646	18.623	ug/l	98
71) Bromoform	12.582	173	26802	17.445	ug/l #	97
73) Isopropylbenzene	12.700	105	157485	17.819	ug/l	98
74) N-amyl acetate	12.500	43	63527	18.945	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	60086	18.257	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	51874m	19.813	ug/l	
77) Bromobenzene	12.982	156	37311	16.672	ug/l	92
78) n-propylbenzene	13.041	91	185033	18.637	ug/l	98
79) 2-Chlorotoluene	13.129	91	115880	17.845	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	132911	18.048	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	15697	16.483	ug/l #	74
82) 4-Chlorotoluene	13.223	91	110627	18.130	ug/l	97
83) tert-Butylbenzene	13.441	119	106699	17.514	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	130330	18.582	ug/l	99
85) sec-Butylbenzene	13.618	105	157028	18.722	ug/l	99
86) p-Isopropyltoluene	13.735	119	120198	17.938	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	64038	17.446	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	62602	16.878	ug/l	100
89) n-Butylbenzene	14.059	91	92697	17.592	ug/l	97
90) Hexachloroethane	14.335	117	25530	18.761	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	63316	17.473	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8931	17.851	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	19117	14.681	ug/l	95
94) Hexachlorobutadiene	15.506	225	15242	14.880	ug/l	96
95) Naphthalene	15.647	128	45054	11.649	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	21366	13.910	ug/l	97

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

