

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077897.D
 Acq On : 25 May 2023 13:15
 Operator : JC\MD
 Sample : VN0525WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0525WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 25 16:29:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	376719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	682879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	589780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	246173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	283208	50.244	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.480%			
35) Dibromofluoromethane	8.171	113	240154	53.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.860%			
50) Toluene-d8	10.571	98	893817	52.149	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.853	95	302921	50.041	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	75171	17.533	ug/l	99
3) Chloromethane	2.371	50	80948	16.612	ug/l	97
4) Vinyl Chloride	2.524	62	104757	19.380	ug/l	96
5) Bromomethane	2.965	94	79949	19.998	ug/l	98
6) Chloroethane	3.130	64	75403	19.356	ug/l	99
7) Trichlorofluoromethane	3.501	101	152028	20.181	ug/l	92
8) Diethyl Ether	3.971	74	59883	21.775	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.377	101	86213	20.680	ug/l	99
10) Methyl Iodide	4.600	142	112639	22.656	ug/l	98
11) Tert butyl alcohol	5.530	59	74005	95.132	ug/l #	91
12) 1,1-Dichloroethene	4.353	96	81885	20.666	ug/l	90
13) Acrolein	4.189	56	46607	76.347	ug/l	92
14) Allyl chloride	5.024	41	108771	18.687	ug/l	92
15) Acrylonitrile	5.730	53	196354	94.478	ug/l	97
16) Acetone	4.442	43	168532	95.035	ug/l	98
17) Carbon Disulfide	4.724	76	197079	18.460	ug/l	98
18) Methyl Acetate	5.042	43	145020	19.493	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	292237	20.377	ug/l	97
20) Methylene Chloride	5.289	84	106208	21.900	ug/l #	93
21) trans-1,2-Dichloroethene	5.789	96	90697	20.378	ug/l	88
22) Diisopropyl ether	6.677	45	269336	19.741	ug/l	93
23) Vinyl Acetate	6.612	43	810355	95.864	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	169838	20.319	ug/l	97
25) 2-Butanone	7.489	43	255500	92.102	ug/l	90
26) 2,2-Dichloropropane	7.500	77	139478	19.641	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	111481	20.890	ug/l	93
28) Bromochloromethane	7.818	49	79938	22.113	ug/l	94
29) Tetrahydrofuran	7.847	42	162828	89.641	ug/l	88
30) Chloroform	7.977	83	183511	19.958	ug/l	94
31) Cyclohexane	8.265	56	146771	19.158	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	157842	20.191	ug/l	99
36) 1,1-Dichloropropene	8.383	75	132432	20.333	ug/l	99
37) Ethyl Acetate	7.565	43	108167	18.633	ug/l	97
38) Carbon Tetrachloride	8.365	117	139833	21.261	ug/l	90
39) Methylcyclohexane	9.612	83	157739	19.782	ug/l	93
40) Benzene	8.612	78	406470	21.148	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	54178	17.524	ug/l	94
42) 1,2-Dichloroethane	8.677	62	144568	20.706	ug/l	99
43) Isopropyl Acetate	8.694	43	189533	19.988	ug/l	95
44) Trichloroethene	9.359	130	104306	21.433	ug/l	91
45) 1,2-Dichloropropane	9.630	63	103138	21.038	ug/l	96
46) Dibromomethane	9.712	93	71581	20.405	ug/l	93
47) Bromodichloromethane	9.894	83	141455	21.062	ug/l	92
48) Methyl methacrylate	9.688	41	85319	18.978	ug/l	91
49) 1,4-Dioxane	9.700	88	36746	432.753	ug/l #	82
51) 4-Methyl-2-Pentanone	10.453	43	550626	97.691	ug/l	93
52) Toluene	10.635	92	260466	21.768	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	146806	20.641	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	163695	20.885	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	102485	21.571	ug/l	93
56) Ethyl methacrylate	10.882	69	144199	20.074	ug/l	92
57) 1,3-Dichloropropane	11.171	76	171332	21.036	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	315648	89.317	ug/l	93
59) 2-Hexanone	11.200	43	386123	92.618	ug/l	93
60) Dibromochloromethane	11.365	129	103614	21.125	ug/l	98
61) 1,2-Dibromoethane	11.476	107	100169	21.134	ug/l	100
64) Tetrachloroethene	11.112	164	99192	24.050	ug/l	97
65) Chlorobenzene	11.900	112	267169	20.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	103836	23.471	ug/l	97
67) Ethyl Benzene	11.971	91	491414	21.447	ug/l	100
68) m/p-Xylenes	12.076	106	375981	43.307	ug/l	97
69) o-Xylene	12.406	106	185990	21.784	ug/l	97
70) Styrene	12.418	104	296401	21.853	ug/l	99
71) Bromoform	12.582	173	64138	21.793	ug/l #	96
73) Isopropylbenzene	12.700	105	479608	22.602	ug/l	97
74) N-amyl acetate	12.500	43	146261	18.647	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	134816	20.652	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	102590m	16.641	ug/l	
77) Bromobenzene	12.982	156	103103	21.291	ug/l	99
78) n-propylbenzene	13.041	91	543702	21.733	ug/l	98
79) 2-Chlorotoluene	13.135	91	331931	22.235	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	404559	22.684	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	33738	17.493	ug/l #	86
82) 4-Chlorotoluene	13.229	91	312567	21.044	ug/l	98
83) tert-Butylbenzene	13.447	119	345504	22.191	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	403140	22.984	ug/l	99
85) sec-Butylbenzene	13.623	105	472203	21.340	ug/l	99
86) p-Isopropyltoluene	13.735	119	392444	22.247	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	183677	20.510	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	179851	20.238	ug/l	98
89) n-Butylbenzene	14.065	91	315472	19.443	ug/l	98
90) Hexachloroethane	14.341	117	60908	21.018	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	184207	22.018	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	22550	17.842	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	74423	15.222	ug/l	99
94) Hexachlorobutadiene	15.506	225	37277	18.364	ug/l	96
95) Naphthalene	15.647	128	231512	13.757	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	75619	15.797	ug/l	93

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

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