

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075338.D
 Acq On : 21 Nov 2022 11:53
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2022
 Supervised By : Mahesh Dadoda 11/23/2022

Quant Time: Nov 22 04:47:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 04:47:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	145445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	7902	4.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	8.900%	#	
35) Dibromofluoromethane	8.165	113	9368	6.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	13.400%	#	
50) Toluene-d8	10.570	98	20388	3.969	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	7.940%	#	
62) 4-Bromofluorobenzene	12.847	95	14295	7.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	14.720%	#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	11361	6.426	ug/l	89
3) Chloromethane	2.371	50	13925	7.317	ug/l	92
4) Vinyl Chloride	2.524	62	18298	6.838	ug/l	92
5) Bromomethane	2.936	94	15660	5.438	ug/l	99
6) Chloroethane	3.106	64	13624	7.043	ug/l	99
7) Trichlorofluoromethane	3.500	101	26055	9.125	ug/l	99
8) Diethyl Ether	3.977	74	8744	8.376	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	14826	9.375	ug/l	94
10) Methyl Iodide	4.594	142	22437	9.356	ug/l	97
11) Tert butyl alcohol	5.530	59	16997	38.847	ug/l #	87
12) 1,1-Dichloroethene	4.341	96	14054	9.288	ug/l	84
13) Acrolein	4.189	56	14996	41.668	ug/l	94
14) Allyl chloride	5.030	41	18549	8.664	ug/l	96
15) Acrylonitrile	5.730	53	38826	41.629	ug/l	99
16) Acetone	4.436	43	41567	51.056	ug/l	94
17) Carbon Disulfide	4.718	76	34671	9.096	ug/l #	94
18) Methyl Acetate	5.036	43	20964	8.108	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	49037	8.822	ug/l	92
20) Methylene Chloride	5.283	84	16974	9.389	ug/l	84
21) trans-1,2-Dichloroethene	5.794	96	15386	9.251	ug/l	97
22) Diisopropyl ether	6.671	45	41010	8.525	ug/l #	88
23) Vinyl Acetate	6.612	43	158708m	39.703	ug/l	
24) 1,1-Dichloroethane	6.571	63	26079	8.524	ug/l	99
25) 2-Butanone	7.488	43	52734	41.922	ug/l	95
26) 2,2-Dichloropropane	7.494	77	23790	8.461	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	17851	9.004	ug/l	98
28) Bromochloromethane	7.812	49	11322	8.895	ug/l #	88
29) Tetrahydrofuran	7.841	42	31574	39.108	ug/l	99
30) Chloroform	7.971	83	29667	8.935	ug/l	94
31) Cyclohexane	8.259	56	26735	9.446	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	27530	9.107	ug/l #	86
36) 1,1-Dichloropropene	8.377	75	20741	9.209	ug/l	97
37) Ethyl Acetate	7.571	43	19965	8.196	ug/l	98
38) Carbon Tetrachloride	8.365	117	22717	9.155	ug/l	96
39) Methylcyclohexane	9.606	83	26020	8.806	ug/l	94
40) Benzene	8.606	78	66098	9.588	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	10565	9.138	ug/l	99
42) 1,2-Dichloroethane	8.671	62	21779	8.804	ug/l	97
43) Isopropyl Acetate	8.688	43	30660	8.175	ug/l	97
44) Trichloroethene	9.353	130	17969	10.216	ug/l	89
45) 1,2-Dichloropropane	9.618	63	15993	9.782	ug/l	98
46) Dibromomethane	9.706	93	11397	8.929	ug/l	94
47) Bromodichloromethane	9.888	83	21969	8.889	ug/l	95
48) Methyl methacrylate	9.682	41	13820	7.981	ug/l	98
49) 1,4-Dioxane	9.694	88	8370	181.178	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	98620	40.792	ug/l	98
52) Toluene	10.629	92	41747	9.137	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	22276	8.599	ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	24664	8.943	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	16773	9.251	ug/l	91
56) Ethyl methacrylate	10.876	69	22306	8.121	ug/l	99
57) 1,3-Dichloropropane	11.165	76	27121	8.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	41382	39.432	ug/l	95
59) 2-Hexanone	11.194	43	75798	41.277	ug/l	100
60) Dibromochloromethane	11.359	129	17774	9.192	ug/l	99
61) 1,2-Dibromoethane	11.470	107	16683	8.941	ug/l	97
64) Tetrachloroethene	11.106	164	16685	11.755	ug/l	92
65) Chlorobenzene	11.888	112	44472	9.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	16210	9.175	ug/l	97
67) Ethyl Benzene	11.965	91	77399	9.113	ug/l	98
68) m/p-Xylenes	12.070	106	62291	18.371	ug/l	99
69) o-Xylene	12.400	106	31292	9.318	ug/l	99
70) Styrene	12.412	104	49390	9.193	ug/l	98
71) Bromoform	12.582	173	12713	9.499	ug/l #	93
73) Isopropylbenzene	12.694	105	77968	9.352	ug/l	98
74) N-amyl acetate	12.494	43	23672	7.793	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	24230	7.622	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	21135m	9.740	ug/l	
77) Bromobenzene	12.976	156	18551	9.909	ug/l	91
78) n-propylbenzene	13.035	91	87655	9.350	ug/l	98
79) 2-Chlorotoluene	13.123	91	52383	9.191	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	65705	9.385	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	6213	7.350	ug/l	98
82) 4-Chlorotoluene	13.123	91	52383	9.191	ug/l	98
83) tert-Butylbenzene	13.441	119	59905	9.600	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	66322	9.375	ug/l	98
85) sec-Butylbenzene	13.617	105	80417	9.231	ug/l	100
86) p-Isopropyltoluene	13.729	119	66002	9.154	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	36269	9.974	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	34189	9.494	ug/l	98
89) n-Butylbenzene	14.059	91	54151	9.296	ug/l	99
90) Hexachloroethane	14.335	117	11395	8.656	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	35537	9.816	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	4353	7.845	ug/l	82
93) 1,2,4-Trichlorobenzene	15.388	180	17389	10.742	ug/l	94
94) Hexachlorobutadiene	15.500	225	9061	11.248	ug/l	96
95) Naphthalene	15.641	128	51231	8.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	16572	10.371	ug/l	97

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

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