

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
 Data File : VN066338.D
 Acq On : 25 Mar 2021 18:30
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

SAM
 3/29/2021 5:12:34 PM

Quant Time: Mar 26 05:36:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 05:30:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	445913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	699529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	599259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	265129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	31964	4.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	8.08%#		
35) Dibromofluoromethane	7.509	113	23888	5.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.02%#		
50) Toluene-d8	10.028	98	89059	4.76	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.52%#		
62) 4-Bromofluorobenzene	12.345	95	28402	4.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.22%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	28071	5.04	ug/l	94
3) Chloromethane	2.014	50	34031	3.59	ug/l	98
4) Vinyl Chloride	2.145	62	33489	4.35	ug/l	99
5) Bromomethane	2.510	94	24821	5.74	ug/l	98
6) Chloroethane	2.650	64	20950	4.88	ug/l	97
7) Trichlorofluoromethane	2.961	101	46800	5.45	ug/l	91
8) Diethyl Ether	3.347	74	18992	5.43	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.677	101	27822	6.57	ug/l	100
10) Methyl Iodide	3.870	142	32398	6.18	ug/l	99
11) Tert butyl alcohol	4.720	59	24926	18.53	ug/l #	89
12) 1,1-Dichloroethene	3.661	96	27366	5.94	ug/l	97
13) Acrolein	3.535	56	25867	29.34	ug/l	97
14) Allyl chloride	4.229	41	48870	3.68	ug/l #	87
15) Acrylonitrile	4.886	53	64927	16.82	ug/l	98
16) Acetone	3.741	43	74668	18.17	ug/l	100
17) Carbon Disulfide	3.966	76	84226	5.88	ug/l	100
18) Methyl Acetate	4.237	43	42548	4.20	ug/l	98
19) Methyl tert-butyl Ether	4.945	73	78273	4.03	ug/l	95
20) Methylene Chloride	4.455	84	30804	4.96	ug/l	97
21) trans-1,2-Dichloroethene	4.935	96	25868	4.99	ug/l	96
22) Diisopropyl ether	5.863	45	78675	3.06	ug/l	93
23) Vinyl Acetate	5.796	43	349477	15.82	ug/l	99
24) 1,1-Dichloroethane	5.742	63	45519	3.79	ug/l	97
25) 2-Butanone	6.748	43	84063	13.85	ug/l	100
26) 2,2-Dichloropropane	6.724	77	40756	4.07	ug/l	97
27) cis-1,2-Dichloroethene	6.732	96	29071	4.61	ug/l	98
28) Bromochloromethane	7.102	49	22197	3.24	ug/l	98
29) Tetrahydrofuran	7.131	42	57315	13.69	ug/l	99
30) Chloroform	7.284	83	46332	4.24	ug/l	97
31) Cyclohexane	7.571	56	50129	4.40	ug/l #	83
32) 1,1,1-Trichloroethane	7.488	97	40798	4.42	ug/l	98
36) 1,1-Dichloropropene	7.708	75	33939	4.41	ug/l	98
37) Ethyl Acetate	6.842	43	34136	3.01	ug/l #	83
38) Carbon Tetrachloride	7.692	117	34804	5.09	ug/l	94
39) Methylcyclohexane	9.011	83	40062	4.79	ug/l	96
40) Benzene	7.965	78	101886	4.52	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.086	41	16919	3.13	ug/l #	85
42) 1,2-Dichloroethane	8.048	62	36660	4.07	ug/l	99
43) Isopropyl Acetate	8.094	43	62105	3.37	ug/l	100
44) Trichloroethene	8.767	130	27923	5.13	ug/l	91
45) 1,2-Dichloropropane	9.049	63	26751	4.00	ug/l	99
46) Dibromomethane	9.143	93	17833	4.76	ug/l	99
47) Bromodichloromethane	9.338	83	36174	4.41	ug/l	96
48) Methyl methacrylate	9.135	41	28147	3.13	ug/l	97
49) 1,4-Dioxane	9.143	88	7393	85.55	ug/l	98
51) 4-Methyl-2-Pentanone	9.923	43	173754	15.57	ug/l	100
52) Toluene	10.089	92	59288	4.41	ug/l	98
53) t-1,3-Dichloropropene	10.323	75	37685	3.94	ug/l	100
54) cis-1,3-Dichloropropene	9.776	75	41004	3.98	ug/l	99
55) 1,1,2-Trichloroethane	10.502	97	24212	4.60	ug/l	97
56) Ethyl methacrylate	10.371	69	35051	3.89	ug/l	96
57) 1,3-Dichloropropane	10.647	76	40191	4.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.631	63	13642	4.87	ug/l	96
59) 2-Hexanone	10.693	43	117632	14.75	ug/l	99
60) Dibromochloromethane	10.840	129	25979	4.64	ug/l	99
61) 1,2-Dibromoethane	10.945	107	24659	4.56	ug/l	98
64) Tetrachloroethene	10.572	164	27924	5.65	ug/l	95
65) Chlorobenzene	11.374	112	61419	4.92	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.449	131	23810	5.12	ug/l	97
67) Ethyl Benzene	11.452	91	109325	4.69	ug/l	98
68) m/p-Xylenes	11.562	106	81438	9.61	ug/l	96
69) o-Xylene	11.892	106	41494	5.10	ug/l	94
70) Styrene	11.908	104	63366	4.75	ug/l	98
71) Bromoform	12.071	173	18396	5.13	ug/l #	99
73) Isopropylbenzene	12.192	105	101128	4.93	ug/l	98
74) N-amyl acetate	12.020	43	22183	2.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.450	83	32473	4.49	ug/l	96
76) 1,2,3-Trichloropropane	12.498	75	32267m	4.23	ug/l	
77) Bromobenzene	12.468	156	25753	5.37	ug/l	96
78) n-propylbenzene	12.535	91	106103	4.39	ug/l	99
79) 2-Chlorotoluene	12.618	91	66502	4.56	ug/l	100
80) 1,3,5-Trimethylbenzene	12.678	105	83399	4.83	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.246	75	8924	3.67	ug/l	92
82) 4-Chlorotoluene	12.715	91	62859	4.23	ug/l	97
83) tert-Butylbenzene	12.938	119	70036	4.78	ug/l	98
84) 1,2,4-Trimethylbenzene	12.983	105	79096	4.67	ug/l	99
85) sec-Butylbenzene	13.117	105	90072	4.66	ug/l	99
86) p-Isopropyltoluene	13.233	119	79194	4.61	ug/l	97
87) 1,3-Dichlorobenzene	13.227	146	41811	4.81	ug/l	98
88) 1,4-Dichlorobenzene	13.308	146	42525	4.82	ug/l	93
89) n-Butylbenzene	13.560	91	63629	4.10	ug/l	99
90) Hexachloroethane	13.815	117	14129	5.20	ug/l	96
91) 1,2-Dichlorobenzene	13.600	146	41989	4.88	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.220	75	6167	3.43	ug/l	95
93) 1,2,4-Trichlorobenzene	14.855	180	25977	5.33	ug/l	98
94) Hexachlorobutadiene	14.949	225	14556	5.77	ug/l	98
95) Naphthalene	15.073	128	79490	5.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.250	180	26355	5.09	ug/l	97

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

