

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066604.D
 Acq On : 15 Apr 2021 10:31
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 1:10:21 PM

Quant Time: Apr 15 12:27:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 12:24:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.588	168	203190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	341476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	325954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	143398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	15944	5.36	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.72%#		
35) Dibromofluoromethane	7.508	113	11719	5.05	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.10%#		
50) Toluene-d8	10.029	98	45040	5.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.02%#		
62) 4-Bromofluorobenzene	12.349	95	14223	4.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.70%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.830	85	12788	4.89	ug/l	99
3) Chloromethane	2.031	50	19107	5.37	ug/l	99
4) Vinyl Chloride	2.160	62	16257	4.97	ug/l	99
5) Bromomethane	2.490	94	9848	5.21	ug/l	97
6) Chloroethane	2.637	64	9882	4.61	ug/l	97
7) Trichlorofluoromethane	2.959	101	19271	4.62	ug/l	98
8) Diethyl Ether	3.354	74	7549	5.05	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.689	101	11535	5.23	ug/l	95
10) Methyl Iodide	3.877	142	14601	4.78	ug/l	98
11) Tert butyl alcohol	4.713	59	13418	30.36	ug/l #	78
12) 1,1-Dichloroethene	3.665	96	11105	5.17	ug/l	86
13) Acrolein	3.541	56	6839	26.19	ug/l	94
14) Allyl chloride	4.239	41	23838	5.63	ug/l	94
15) Acrylonitrile	4.893	53	35683	27.59	ug/l	98
16) Acetone	3.756	43	34187	29.71	ug/l	94
17) Carbon Disulfide	3.976	76	35650	5.15	ug/l	99
18) Methyl Acetate	4.252	43	17161	5.38	ug/l #	90
19) Methyl tert-butyl Ether	4.957	73	37956m	4.96	ug/l	
20) Methylene Chloride	4.464	84	15374	5.22	ug/l	93
21) trans-1,2-Dichloroethene	4.947	96	12306	5.07	ug/l	93
22) Diisopropyl ether	5.861	45	46633	4.97	ug/l #	87
23) Vinyl Acetate	5.805	43	192382	25.96	ug/l #	94
24) 1,1-Dichloroethane	5.751	63	26069	5.11	ug/l	96
25) 2-Butanone	6.749	43	46802	27.62	ug/l	89
26) 2,2-Dichloropropane	6.736	77	20353	4.94	ug/l	98
27) cis-1,2-Dichloroethene	6.738	96	14257	5.07	ug/l	89
28) Bromochloromethane	7.108	49	12687	5.09	ug/l #	79
29) Tetrahydrofuran	7.130	42	31759	28.05	ug/l	90
30) Chloroform	7.291	83	24812	5.09	ug/l	97
31) Cyclohexane	7.575	56	25178	5.49	ug/l #	90
32) 1,1,1-Trichloroethane	7.486	97	20266	5.00	ug/l	96
36) 1,1-Dichloropropene	7.712	75	17339	4.80	ug/l	95
37) Ethyl Acetate	6.846	43	19460	5.15	ug/l #	96
38) Carbon Tetrachloride	7.693	117	16501	4.74	ug/l	99
39) Methylcyclohexane	9.015	83	18937	4.59	ug/l	89
40) Benzene	7.967	78	56263	4.87	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.106	41	10579m	5.96	ug/l	
42) 1,2-Dichloroethane	8.050	62	20040	5.03	ug/l	97
43) Isopropyl Acetate	8.095	43	33918	5.25	ug/l #	84
44) Trichloroethene	8.766	130	13268	5.01	ug/l	99
45) 1,2-Dichloropropane	9.047	63	16148	5.05	ug/l	96
46) Dibromomethane	9.144	93	9600	5.07	ug/l	93
47) Bromodichloromethane	9.334	83	19689	4.91	ug/l	98
48) Methyl methacrylate	9.136	41	13512	4.61	ug/l	89
49) 1,4-Dioxane	9.139	88	5052	111.71	ug/l #	83
51) 4-Methyl-2-Pentanone	9.922	43	98840	27.08	ug/l	91
52) Toluene	10.093	92	33624	4.99	ug/l	98
53) t-1,3-Dichloropropene	10.321	75	20523	4.82	ug/l	99
54) cis-1,3-Dichloropropene	9.777	75	23203	4.99	ug/l	92
55) 1,1,2-Trichloroethane	10.504	97	14222	5.17	ug/l	95
56) Ethyl methacrylate	10.372	69	16776	4.49	ug/l #	80
57) 1,3-Dichloropropane	10.649	76	23416	5.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.632	63	14978	24.64	ug/l #	89
59) 2-Hexanone	10.697	43	55266	24.45	ug/l	91
60) Dibromochloromethane	10.842	129	14244	4.95	ug/l	99
61) 1,2-Dibromoethane	10.946	107	13620	5.11	ug/l	99
64) Tetrachloroethene	10.571	164	11324	4.76	ug/l	96
65) Chlorobenzene	11.375	112	36331	4.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.450	131	13318	4.90	ug/l	98
67) Ethyl Benzene	11.456	91	60846	4.74	ug/l	96
68) m/p-Xylenes	11.566	106	43395	9.11	ug/l	93
69) o-Xylene	11.893	106	21708	4.68	ug/l	100
70) Styrene	11.912	104	31499	4.19	ug/l	96
71) Bromoform	12.075	173	10030	4.85	ug/l #	98
73) Isopropylbenzene	12.196	105	54978	4.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.451	83	21852	5.47	ug/l	97
76) 1,2,3-Trichloropropane	12.502	75	16069m	4.69	ug/l	
77) Bromobenzene	12.472	156	13792	4.95	ug/l	90
78) n-propylbenzene	12.537	91	62628	4.98	ug/l	96
79) 2-Chlorotoluene	12.620	91	42455	5.50	ug/l	95
80) 1,3,5-Trimethylbenzene	12.679	105	45667	4.86	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.260	75	3411	3.24	ug/l #	76
82) 4-Chlorotoluene	12.722	91	38839	5.05	ug/l	96
83) tert-Butylbenzene	12.936	119	39837	5.12	ug/l	99
84) 1,2,4-Trimethylbenzene	12.985	105	42471	4.83	ug/l	98
85) sec-Butylbenzene	13.116	105	52027	4.97	ug/l	99
86) p-Isopropyltoluene	13.234	119	40709	4.66	ug/l	97
87) 1,3-Dichlorobenzene	13.229	146	24032	4.97	ug/l	97
88) 1,4-Dichlorobenzene	13.309	146	25471	4.90	ug/l	95
89) n-Butylbenzene	13.567	91	34615	4.35	ug/l	94
90) Hexachloroethane	13.813	117	9998	5.15	ug/l	97
91) 1,2-Dichlorobenzene	13.601	146	24873	5.19	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.221	75	3603	6.10	ug/l	74
93) 1,2,4-Trichlorobenzene	14.859	180	12097	4.53	ug/l	92
94) Hexachlorobutadiene	14.950	225	7853	5.16	ug/l	99
95) Naphthalene	15.076	128	33402	5.22	ug/l	97
96) 1,2,3-Trichlorobenzene	15.256	180	13839	5.42	ug/l	91

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

