

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052226.D
 Acq On : 9 Nov 2018 14:33
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:37 AM

Quant Time: Nov 12 00:02:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	276878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	423248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	78472	20.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.44%	
35) Dibromofluoromethane	7.59	113	62773	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
50) Toluene-d8	10.09	98	250184	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.40	95	76797	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60035	19.944	ug/l	97
3) Chloromethane	2.06	50	80926	19.256	ug/l	99
4) Vinyl Chloride	2.19	62	69068	19.726	ug/l	98
5) Bromomethane	2.57	94	41447	18.657	ug/l	94
6) Chloroethane	2.71	64	39175	18.841	ug/l	91
7) Trichlorofluoromethane	3.02	101	93026	19.085	ug/l	98
8) Diethyl Ether	3.41	74	35488	18.507	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59579	18.980	ug/l	99
10) Methyl Iodide	3.95	142	77306	19.053	ug/l	98
11) Tert butyl alcohol	4.78	59	20710m	109.516	ug/l	
12) 1,1-Dichloroethene	3.74	96	53812	18.590	ug/l	97
13) Acrolein	3.61	56	28211	107.883	ug/l	95
14) Allyl chloride	4.33	41	108188	17.852	ug/l	94
15) Acrylonitrile	4.99	53	117444	98.447	ug/l	98
16) Acetone	3.82	43	97526	83.953	ug/l	98
17) Carbon Disulfide	4.06	76	155989	18.577	ug/l	100
18) Methyl Acetate	4.33	43	57006	19.097	ug/l #	80
19) Methyl tert-butyl Ether	5.05	73	160975	19.465	ug/l	98
20) Methylene Chloride	4.55	84	65016	20.275	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	60254	19.153	ug/l	92
22) Diisopropyl ether	5.95	45	234341	19.195	ug/l	97
23) Vinyl Acetate	5.90	43	816727	97.974	ug/l	100
24) 1,1-Dichloroethane	5.85	63	121690	18.965	ug/l	99
25) 2-Butanone	6.83	43	151009	93.486	ug/l	99
26) 2,2-Dichloropropane	6.83	77	86467	18.450	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	68116	19.343	ug/l	98
28) Bromochloromethane	7.19	49	62269	19.639	ug/l	99
29) Tetrahydrofuran	7.21	42	101696	97.953	ug/l	99
30) Chloroform	7.37	83	115123	18.957	ug/l	99
31) Cyclohexane	7.65	56	120759	16.214	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	95561	19.306	ug/l	99
36) 1,1-Dichloropropene	7.80	75	90165	18.819	ug/l	99
37) Ethyl Acetate	6.93	43	69037	19.529	ug/l	97
38) Carbon Tetrachloride	7.78	117	82481	18.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104149	19.058	ug/l	97
40) Benzene	8.04	78	262720	19.152	ug/l	100
41) Methacrylonitrile	7.19	41	44422m	23.821	ug/l	
42) 1,2-Dichloroethane	8.12	62	87692	18.220	ug/l	99
43) Isopropyl Acetate	8.17	43	120703	19.217	ug/l	99
44) Trichloroethene	8.84	130	63246	18.399	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73481	19.174	ug/l	100
46) Dibromomethane	9.21	93	42863	19.472	ug/l	98
47) Bromodichloromethane	9.40	83	85885	18.831	ug/l	98
48) Methyl methacrylate	9.20	41	61710	18.646	ug/l	99
49) 1,4-Dioxane	9.20	88	10424	391.809	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	339925	97.995	ug/l	100
52) Toluene	10.16	92	157891	19.081	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83317	18.512	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	99378	18.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57278	19.151	ug/l	98
56) Ethyl methacrylate	10.43	69	77038	19.058	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102579	19.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	222616	99.460	ug/l	98
59) 2-Hexanone	10.75	43	235872	96.863	ug/l	99
60) Dibromochloromethane	10.90	129	58585	19.311	ug/l	98
61) 1,2-Dibromoethane	11.00	107	56490	19.218	ug/l	99
64) Tetrachloroethene	10.63	164	56508	19.069	ug/l	98
65) Chlorobenzene	11.43	112	171384	19.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58824	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	301474	19.111	ug/l	98
68) m/p-Xylenes	11.62	106	224524	38.219	ug/l	99
69) o-Xylene	11.95	106	108413	19.316	ug/l	98
70) Styrene	11.96	104	177973	19.627	ug/l	98
71) Bromoform	12.13	173	35066	19.349	ug/l #	96
73) Isopropylbenzene	12.25	105	289198	19.609	ug/l	99
74) N-amyl acetate	12.07	43	104240	19.469	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	72165	19.959	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	62647m	21.644	ug/l	
77) Bromobenzene	12.53	156	67433	19.533	ug/l	99
78) n-propylbenzene	12.59	91	337396	19.533	ug/l	99
79) 2-Chlorotoluene	12.67	91	194297	19.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	229984	19.608	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17602	18.823	ug/l	89
82) 4-Chlorotoluene	12.77	91	194284	19.350	ug/l	99
83) tert-Butylbenzene	12.99	119	198528	19.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	230903	19.525	ug/l	99
85) sec-Butylbenzene	13.17	105	275579	19.625	ug/l	100
86) p-Isopropyltoluene	13.29	119	231693	19.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116477	19.381	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115910	19.265	ug/l	99
89) n-Butylbenzene	13.61	91	198321	18.958	ug/l	98
90) Hexachloroethane	13.87	117	38698	18.768	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	114290	19.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10117	19.682	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47568	20.510	ug/l	98
94) Hexachlorobutadiene	15.01	225	24860	19.726	ug/l	99
95) Naphthalene	15.13	128	115750	20.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43308	19.751	ug/l	99

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

