

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049839.D
 Acq On : 17 Jul 2018 11:03
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:08 AM

Quant Time: Jul 17 12:57:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 12:26:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	527339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	819064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	737289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	39639	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	7.59	113	33835	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
50) Toluene-d8	10.09	98	117367	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
62) 4-Bromofluorobenzene	12.40	95	35731	4.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	35377	5.97	ug/l	96
3) Chloromethane	2.06	50	43770	5.65	ug/l	99
4) Vinyl Chloride	2.18	62	45306	5.56	ug/l	98
5) Bromomethane	2.55	94	27628	4.69	ug/l	93
6) Chloroethane	2.69	64	28988	5.76	ug/l	97
7) Trichlorofluoromethane	3.01	101	61205	5.79	ug/l	97
8) Diethyl Ether	3.41	74	19613	5.02	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	35442	5.41	ug/l	98
10) Methyl Iodide	3.95	142	39458	5.26	ug/l	99
11) Tert butyl alcohol	4.82	59	14886	20.08	ug/l	97
12) 1,1-Dichloroethene	3.73	96	31315	5.24	ug/l	97
13) Acrolein	3.61	56	13420	24.67	ug/l	97
14) Allyl chloride	4.32	41	47037	4.75	ug/l	97
15) Acrylonitrile	4.99	53	65578	23.61	ug/l	97
16) Acetone	3.83	43	53256	23.33	ug/l	100
17) Carbon Disulfide	4.04	76	94970	4.63	ug/l	96
18) Methyl Acetate	4.33	43	38616	4.67	ug/l #	77
19) Methyl tert-butyl Ether	5.05	73	80059	4.58	ug/l	97
20) Methylene Chloride	4.55	84	39969	5.46	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	33246	5.03	ug/l	93
22) Diisopropyl ether	5.96	45	93600	4.92	ug/l	95
23) Vinyl Acetate	5.90	43	328623	22.44	ug/l	100
24) 1,1-Dichloroethane	5.85	63	64860	5.47	ug/l	99
25) 2-Butanone	6.85	43	77677	22.33	ug/l	95
26) 2,2-Dichloropropane	6.82	77	48329	5.05	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	35168	4.91	ug/l	99
28) Bromochloromethane	7.19	49	27038	5.04	ug/l	100
29) Tetrahydrofuran	7.22	42	44866	19.94	ug/l	95
30) Chloroform	7.37	83	67037	5.49	ug/l	98
31) Cyclohexane	7.66	56	54690	4.65	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	56460	5.44	ug/l	98
36) 1,1-Dichloropropene	7.79	75	45230	4.78	ug/l	99
37) Ethyl Acetate	6.94	43	35599	4.76	ug/l	98
38) Carbon Tetrachloride	7.77	117	50718	5.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	43812	4.39	ug/l	95
40) Benzene	8.04	78	141254	4.94	ug/l	99
41) Methacrylonitrile	7.17	41	15863m	4.45	ug/l	
42) 1,2-Dichloroethane	8.13	62	48331	5.13	ug/l	100
43) Isopropyl Acetate	8.17	43	58929	3.28	ug/l	99
44) Trichloroethene	8.84	130	38319	5.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	38152	5.17	ug/l	96
46) Dibromomethane	9.21	93	25030	5.10	ug/l	98
47) Bromodichloromethane	9.40	83	48971	5.02	ug/l	98
48) Methyl methacrylate	9.20	41	26373	4.15	ug/l	97
49) 1,4-Dioxane	9.20	88	8091	78.07	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	162800	21.23	ug/l	97
52) Toluene	10.16	92	83951	4.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	45039	4.46	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	51129	4.64	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	34665	4.99	ug/l	94
56) Ethyl methacrylate	10.43	69	36374	3.97	ug/l	96
57) 1,3-Dichloropropane	10.71	76	55096	4.84	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	82841	19.38	ug/l	100
59) 2-Hexanone	10.76	43	106890	19.66	ug/l	93
60) Dibromochloromethane	10.90	129	37407	4.82	ug/l	98
61) 1,2-Dibromoethane	11.01	107	34139	4.93	ug/l	99
64) Tetrachloroethene	10.63	164	34007	5.00	ug/l	96
65) Chlorobenzene	11.44	112	94493	4.96	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	36804	5.19	ug/l	100
67) Ethyl Benzene	11.51	91	139382	4.47	ug/l	97
68) m/p-Xylenes	11.62	106	105154	8.84	ug/l	100
69) o-Xylene	11.95	106	50871	4.50	ug/l	95
70) Styrene	11.97	104	76385	4.13	ug/l	98
71) Bromoform	12.13	173	26907	4.78	ug/l #	97
73) Isopropylbenzene	12.25	105	132418	4.78	ug/l	99
74) N-amyl acetate	12.07	43	42008	4.33	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	47580	5.29	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	38352m	5.11	ug/l	
77) Bromobenzene	12.53	156	38031	5.05	ug/l	97
78) n-propylbenzene	12.59	91	144953	4.62	ug/l	98
79) 2-Chlorotoluene	12.68	91	94362	4.85	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	101763	4.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	10580	4.45	ug/l	93
82) 4-Chlorotoluene	12.78	91	89654	4.54	ug/l	96
83) tert-Butylbenzene	12.99	119	92009	4.74	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	104305	4.66	ug/l	100
85) sec-Butylbenzene	13.17	105	122608	4.75	ug/l	99
86) p-Isopropyltoluene	13.29	119	98117	4.46	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	65450	4.90	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	64862	4.78	ug/l	97
89) n-Butylbenzene	13.62	91	79355	4.28	ug/l	98
90) Hexachloroethane	13.88	117	24889	5.33	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	66148	5.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7842	4.95	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	22570	3.37	ug/l	97
94) Hexachlorobutadiene	15.01	225	21934	5.34	ug/l	98
95) Naphthalene	15.14	128	48234	2.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	25538	3.63	ug/l	98

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

