

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049864.D
 Acq On : 18 Jul 2018 10:43
 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
 7/19/2018 4:28:52 PM

Quant Time: Jul 18 12:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	551466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	40103	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
35) Dibromofluoromethane	7.59	113	36261	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
50) Toluene-d8	10.09	98	118492	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.40	95	38274	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	36240	6.38	ug/l	96
3) Chloromethane	2.06	50	42919	5.87	ug/l	99
4) Vinyl Chloride	2.18	62	46192	5.86	ug/l	98
5) Bromomethane	2.56	94	30008	6.02	ug/l	98
6) Chloroethane	2.70	64	29247	5.84	ug/l	95
7) Trichlorofluoromethane	3.01	101	63299	5.97	ug/l	93
8) Diethyl Ether	3.41	74	20189	5.33	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39179	6.15	ug/l	97
10) Methyl Iodide	3.95	142	45742	5.74	ug/l	95
11) Tert butyl alcohol	4.80	59	13657	23.28	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	32644	5.67	ug/l	95
13) Acrolein	3.61	56	11311	24.87	ug/l	95
14) Allyl chloride	4.32	41	48069	5.26	ug/l	98
15) Acrylonitrile	4.99	53	59324	24.04	ug/l	96
16) Acetone	3.82	43	48093	23.38	ug/l	98
17) Carbon Disulfide	4.04	76	99017	5.66	ug/l	100
18) Methyl Acetate	4.33	43	35272	4.58	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	80417	5.01	ug/l	98
20) Methylene Chloride	4.55	84	39467	5.57	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	33471	5.50	ug/l	99
22) Diisopropyl ether	5.96	45	93964	5.15	ug/l	96
23) Vinyl Acetate	5.90	43	319826	23.82	ug/l	99
24) 1,1-Dichloroethane	5.85	63	68233	5.83	ug/l	98
25) 2-Butanone	6.84	43	67833	22.31	ug/l	98
26) 2,2-Dichloropropane	6.82	77	51180	5.74	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	36005	5.28	ug/l	98
28) Bromochloromethane	7.19	49	28521	5.25	ug/l	97
29) Tetrahydrofuran	7.22	42	39125	20.24	ug/l	96
30) Chloroform	7.37	83	69476	5.75	ug/l	97
31) Cyclohexane	7.66	56	56099	5.04	ug/l #	87
32) 1,1,1-Trichloroethane	7.57	97	58945	5.74	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47929	5.36	ug/l	98
37) Ethyl Acetate	6.93	43	30565	4.58	ug/l	99
38) Carbon Tetrachloride	7.77	117	53341	5.66	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	45025	4.89	ug/l	88
40) Benzene	8.04	78	146893	5.42	ug/l	100
41) Methacrylonitrile	7.17	41	16274m	4.75	ug/l	
42) 1,2-Dichloroethane	8.13	62	50056	5.43	ug/l	97
43) Isopropyl Acetate	8.17	43	58009	5.11	ug/l	98
44) Trichloroethene	8.84	130	38984	5.47	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40041	5.55	ug/l	97
46) Dibromomethane	9.21	93	25236	5.48	ug/l	97
47) Bromodichloromethane	9.40	83	50909	5.44	ug/l	97
48) Methyl methacrylate	9.20	41	25665	4.56	ug/l	97
49) 1,4-Dioxane	9.20	88	7261	85.15	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	146230	21.91	ug/l	97
52) Toluene	10.16	92	85545	5.27	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	45436	4.97	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	53178	5.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	37008	5.55	ug/l	98
56) Ethyl methacrylate	10.43	69	34931	4.33	ug/l	95
57) 1,3-Dichloropropane	10.71	76	55335	5.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	81160	21.30	ug/l	97
59) 2-Hexanone	10.75	43	92080	20.13	ug/l	94
60) Dibromochloromethane	10.90	129	38308	5.16	ug/l	99
61) 1,2-Dibromoethane	11.01	107	31703	4.85	ug/l	97
64) Tetrachloroethene	10.63	164	36053	5.58	ug/l	95
65) Chlorobenzene	11.43	112	97266	5.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	37763	5.46	ug/l	98
67) Ethyl Benzene	11.51	91	146847	5.07	ug/l	99
68) m/p-Xylenes	11.62	106	109934	10.01	ug/l	100
69) o-Xylene	11.95	106	52355	5.00	ug/l	98
70) Styrene	11.96	104	81371	4.79	ug/l	98
71) Bromoform	12.13	173	25993	4.88	ug/l #	99
73) Isopropylbenzene	12.25	105	138447	5.24	ug/l	100
74) N-amyl acetate	12.07	43	40160	4.60	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	45194	5.33	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	34490m	4.83	ug/l	
77) Bromobenzene	12.53	156	40729	5.62	ug/l	98
78) n-propylbenzene	12.59	91	154094	5.18	ug/l	100
79) 2-Chlorotoluene	12.68	91	101207	5.51	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	107543	5.19	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10128	4.64	ug/l	93
82) 4-Chlorotoluene	12.77	91	98205	5.41	ug/l	100
83) tert-Butylbenzene	12.99	119	95889	5.28	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	110138	5.21	ug/l	98
85) sec-Butylbenzene	13.17	105	131028	5.37	ug/l	100
86) p-Isopropyltoluene	13.29	119	105133	5.09	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	69023	5.54	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	69849	5.71	ug/l	96
89) n-Butylbenzene	13.62	91	87204	5.15	ug/l	94
90) Hexachloroethane	13.88	117	26314	5.67	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	67683	5.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6335	4.46	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	22655	4.02	ug/l	98
94) Hexachlorobutadiene	15.01	225	22937	5.80	ug/l	98
95) Naphthalene	15.14	128	41796	3.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	24982	4.19	ug/l	98

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

