

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057806.D
 Acq On : 9 Sep 2019 17:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:16 AM

Quant Time: Sep 10 02:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	324383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264668	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	34350	4.52	ug/l	0.00
Spiked Amount			Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	25590	5.32	ug/l	0.00
Spiked Amount			Recovery	=	10.64%	
50) Toluene-d8	10.09	98	89890	4.99	ug/l	0.00
Spiked Amount			Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.40	95	38493	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	21754	4.314	ug/l	99
3) Chloromethane	2.04	50	25673	2.945	ug/l	99
4) Vinyl Chloride	2.16	62	26971	6.001	ug/l	94
5) Bromomethane	2.53	94	20005m	9.107	ug/l	
6) Chloroethane	2.67	64	16224	6.043	ug/l	90
7) Trichlorofluoromethane	2.99	101	31993	4.603	ug/l	98
8) Diethyl Ether	3.38	74	13633	4.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20574	4.722	ug/l	99
10) Methyl Iodide	3.93	142	22282	5.085	ug/l	99
11) Tert butyl alcohol	4.77	59	20313	22.792	ug/l	99
12) 1,1-Dichloroethene	3.72	96	18771	4.815	ug/l	93
13) Acrolein	3.59	56	18328	38.154	ug/l	94
14) Allyl chloride	4.30	41	34738	3.988	ug/l	98
15) Acrylonitrile	4.97	53	54331	23.868	ug/l	99
16) Acetone	3.80	43	48102	20.046	ug/l	99
17) Carbon Disulfide	4.03	76	38758	4.590	ug/l	100
18) Methyl Acetate	4.30	43	28090	4.324	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	70652	4.286	ug/l	98
20) Methylene Chloride	4.53	84	25383	4.956	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	21336	5.199	ug/l	92
22) Diisopropyl ether	5.93	45	78799	4.167	ug/l	93
23) Vinyl Acetate	5.88	43	290996	19.444	ug/l	99
24) 1,1-Dichloroethane	5.82	63	44298	4.548	ug/l	98
25) 2-Butanone	6.82	43	73779	21.536	ug/l	99
26) 2,2-Dichloropropane	6.81	77	33191	4.128	ug/l	77
27) cis-1,2-Dichloroethene	6.81	96	26609	5.075	ug/l	97
28) Bromochloromethane	7.18	49	21538	4.180	ug/l	99
29) Tetrahydrofuran	7.20	42	46402	21.165	ug/l	99
30) Chloroform	7.36	83	46107	4.537	ug/l	99
31) Cyclohexane	7.64	56	44503	5.286	ug/l #	89
32) 1,1,1-Trichloroethane	7.56	97	35606	4.248	ug/l	98
36) 1,1-Dichloropropene	7.78	75	32365	4.726	ug/l	98
37) Ethyl Acetate	6.92	43	30862	4.543	ug/l #	79
38) Carbon Tetrachloride	7.75	117	27583	4.244	ug/l	96

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

39) Methylcyclohexane	9.07	83	36072	5.012	ug/l	98
40) Benzene	8.03	78	97743	4.993	ug/l	96
41) Methacrylonitrile	7.17	41	16198m	4.868	ug/l	
42) 1,2-Dichloroethane	8.11	62	37929	4.226	ug/l	100
43) Isopropyl Acetate	8.16	43	50030	3.857	ug/l #	89
44) Trichloroethene	8.83	130	24014	5.425	ug/l	96
45) 1,2-Dichloropropane	9.11	63	27341	4.974	ug/l	96
46) Dibromomethane	9.20	93	16586	4.748	ug/l	99
47) Bromodichloromethane	9.40	83	29376	3.960	ug/l	96
48) Methyl methacrylate	9.19	41	24701	3.705	ug/l	98
49) 1,4-Dioxane	9.20	88	9521	117.245	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	157893	21.635	ug/l	99
52) Toluene	10.15	92	59543	4.982	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	29100	3.888	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	34312	4.229	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	24646	5.054	ug/l	99
56) Ethyl methacrylate	10.43	69	33958	4.399	ug/l	97
57) 1,3-Dichloropropane	10.71	76	41814	4.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	88298	22.518	ug/l	97
59) 2-Hexanone	10.75	43	110944	21.375	ug/l	99
60) Dibromochloromethane	10.90	129	18267	3.888	ug/l	97
61) 1,2-Dibromoethane	11.00	107	22139	4.766	ug/l	99
64) Tetrachloroethene	10.63	164	19397	5.167	ug/l	93
65) Chlorobenzene	11.43	112	63650	4.985	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	19939	4.487	ug/l	98
67) Ethyl Benzene	11.51	91	116578	4.813	ug/l	99
68) m/p-Xylenes	11.62	106	81891	9.720	ug/l	98
69) o-Xylene	11.95	106	40399	4.821	ug/l	96
70) Styrene	11.97	104	67619	4.650	ug/l	99
71) Bromoform	12.13	173	10854	3.793	ug/l #	97
73) Isopropylbenzene	12.25	105	111029	4.840	ug/l	100
74) N-amyl acetate	12.07	43	42213m	3.753	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	34825	4.979	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	31437m	5.210	ug/l	
77) Bromobenzene	12.53	156	26616	5.282	ug/l	93
78) n-propylbenzene	12.59	91	126171	4.654	ug/l	100
79) 2-Chlorotoluene	12.68	91	76875	4.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	90029	4.612	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	6273	3.252	ug/l #	72
82) 4-Chlorotoluene	12.78	91	78926	4.622	ug/l	98
83) tert-Butylbenzene	13.00	119	80108	4.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	88115	4.552	ug/l	100
85) sec-Butylbenzene	13.17	105	105893	4.652	ug/l	98
86) p-Isopropyltoluene	13.29	119	92873	4.781	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	47485	4.992	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	47282	4.970	ug/l	93
89) n-Butylbenzene	13.62	91	85766	4.504	ug/l	99
90) Hexachloroethane	13.88	117	11216	3.739	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	47008	5.026	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5040	3.761	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30706	5.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	13444	5.023	ug/l	97
95) Naphthalene	15.13	128	89347	5.507	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	29396	5.506	ug/l	96

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

