

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054766.D
 Acq On : 29 Mar 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:23 PM

Quant Time: Mar 30 00:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	431142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	709132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	30042	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
35) Dibromofluoromethane	7.60	113	23915	5.06	ug/l	0.00
Spiked Amount			Recovery	=	10.12%	
50) Toluene-d8	10.09	98	85237	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	28168	4.82	ug/l	0.00
Spiked Amount			Recovery	=	9.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	25615	5.874	ug/l	99
3) Chloromethane	2.06	50	35072	5.816	ug/l	99
4) Vinyl Chloride	2.19	62	31191	5.760	ug/l	95
5) Bromomethane	2.57	94	20490	6.264	ug/l	100
6) Chloroethane	2.71	64	16273	5.382	ug/l	98
7) Trichlorofluoromethane	3.02	101	38076	5.719	ug/l	88
8) Diethyl Ether	3.42	74	11440	5.337	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	19888	6.043	ug/l	93
10) Methyl Iodide	3.94	142	21469	4.475	ug/l	92
11) Tert butyl alcohol	4.81	59	8186m	26.765	ug/l	
12) 1,1-Dichloroethene	3.74	96	19190	5.662	ug/l #	83
13) Acrolein	3.61	56	6719	24.820	ug/l	93
14) Allyl chloride	4.32	41	42683	5.161	ug/l #	92
15) Acrylonitrile	5.00	53	45754	27.184	ug/l	99
16) Acetone	3.82	43	38052	27.456	ug/l #	75
17) Carbon Disulfide	4.04	76	61248	5.572	ug/l	96
18) Methyl Acetate	4.33	43	21648	5.409	ug/l #	71
19) Methyl tert-butyl Ether	5.05	73	63593	5.364	ug/l	95
20) Methylene Chloride	4.55	84	27812	5.689	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	25218	5.665	ug/l	96
22) Diisopropyl ether	5.96	45	90191	5.463	ug/l #	95
23) Vinyl Acetate	5.90	43	295509	26.339	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	48402	5.496	ug/l	99
25) 2-Butanone	6.85	43	53547	26.137	ug/l	92
26) 2,2-Dichloropropane	6.82	77	32874	5.326	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	27021	5.373	ug/l	84
28) Bromochloromethane	7.19	49	24224	5.501	ug/l #	70
29) Tetrahydrofuran	7.22	42	39415	27.663	ug/l #	81
30) Chloroform	7.37	83	46072	5.486	ug/l	100
31) Cyclohexane	7.65	56	52631	5.193	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	36822	5.291	ug/l	94
36) 1,1-Dichloropropene	7.79	75	34802	5.377	ug/l	96
37) Ethyl Acetate	6.94	43	24895	5.236	ug/l #	90
38) Carbon Tetrachloride	7.77	117	32689	5.093	ug/l	99

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

39) Methylcyclohexane	9.08	83	39596	5.451	ug/l #	84
40) Benzene	8.04	78	101763	5.382	ug/l	96
41) Methacrylonitrile	7.18	41	14433	5.302	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	37430	5.544	ug/l	100
43) Isopropyl Acetate	8.17	43	41464	5.266	ug/l #	88
44) Trichloroethene	8.83	130	26846	5.470	ug/l	86
45) 1,2-Dichloropropane	9.12	63	29431	5.459	ug/l	93
46) Dibromomethane	9.21	93	15963	5.263	ug/l	89
47) Bromodichloromethane	9.40	83	32154	5.101	ug/l	98
48) Methyl methacrylate	9.20	41	20571	4.820	ug/l	90
49) 1,4-Dioxane	9.20	88	4707	111.150	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	114413	25.846	ug/l	92
52) Toluene	10.16	92	59550	5.293	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	27697	4.671	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	34733	4.904	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	22507	5.380	ug/l	92
56) Ethyl methacrylate	10.43	69	27632	5.035	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	37710	5.243	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	48260	22.934	ug/l	89
59) 2-Hexanone	10.75	43	74046	26.130	ug/l	89
60) Dibromochloromethane	10.90	129	19931	4.703	ug/l	98
61) 1,2-Dibromoethane	11.00	107	20890	5.225	ug/l	97
64) Tetrachloroethene	10.63	164	25479	5.537	ug/l	97
65) Chlorobenzene	11.43	112	63361	5.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22725	5.171	ug/l	93
67) Ethyl Benzene	11.51	91	113716	5.367	ug/l	95
68) m/p-Xylenes	11.62	106	81912	10.447	ug/l	91
69) o-Xylene	11.95	106	41135	5.350	ug/l	98
70) Styrene	11.96	104	61817	5.028	ug/l	96
71) Bromoform	12.13	173	11894	4.620	ug/l #	98
73) Isopropylbenzene	12.25	105	109233	6.009	ug/l	99
74) N-amyl acetate	12.07	43	31138	5.498	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	26371	5.841	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	22628m	6.059	ug/l	
77) Bromobenzene	12.53	156	24030	5.477	ug/l	77
78) n-propylbenzene	12.59	91	112273	5.619	ug/l	96
79) 2-Chlorotoluene	12.67	91	70962	5.741	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	85613	5.739	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4870	4.903	ug/l #	80
82) 4-Chlorotoluene	12.77	91	67955	5.660	ug/l	95
83) tert-Butylbenzene	12.99	119	76341	5.852	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	81903	5.763	ug/l	96
85) sec-Butylbenzene	13.17	105	96684	5.967	ug/l	95
86) p-Isopropyltoluene	13.29	119	83510	5.843	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	41444	5.642	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	39562	5.491	ug/l	95
89) n-Butylbenzene	13.61	91	62523	5.362	ug/l	96
90) Hexachloroethane	13.87	117	13166	5.426	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	40835	5.508	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3364	5.413	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17319	4.846	ug/l	96
94) Hexachlorobutadiene	15.01	225	14848	6.159	ug/l	98
95) Naphthalene	15.13	128	39943	4.983	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18124	5.021	ug/l	97

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

