

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054760.D
 Acq On : 29 Mar 2019 10:27
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:58 PM

Quant Time: Mar 30 00:20:22 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	455406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	745038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	609805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222213	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	50323	8.20	ug/l	0.00
Spiked Amount			Recovery	=	16.40%	
35) Dibromofluoromethane	7.59	113	40990	8.25	ug/l	0.00
Spiked Amount			Recovery	=	16.50%	
50) Toluene-d8	10.09	98	141956	7.69	ug/l	0.00
Spiked Amount			Recovery	=	15.38%	
62) 4-Bromofluorobenzene	12.40	95	37300	6.07	ug/l	0.00
Spiked Amount			Recovery	=	12.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	23023	4.998	ug/l	97
3) Chloromethane	2.06	50	34559	5.426	ug/l	96
4) Vinyl Chloride	2.19	62	28999	5.070	ug/l	99
5) Bromomethane	2.57	94	18364	5.315	ug/l	96
6) Chloroethane	2.71	64	16018	5.015	ug/l	95
7) Trichlorofluoromethane	3.02	101	36191	5.147	ug/l	95
8) Diethyl Ether	3.41	74	12413	5.482	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	18972	5.458	ug/l	91
10) Methyl Iodide	3.94	142	24749	4.884	ug/l	91
11) Tert butyl alcohol	4.82	59	7658	23.705	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	18233	5.093	ug/l #	73
13) Acrolein	3.61	56	6049	21.155	ug/l #	75
14) Allyl chloride	4.32	41	38701	4.430	ug/l #	94
15) Acrylonitrile	4.99	53	41839	23.534	ug/l	97
16) Acetone	3.82	43	36084	24.649	ug/l	89
17) Carbon Disulfide	4.04	76	54555	4.699	ug/l	99
18) Methyl Acetate	4.33	43	21396	5.061	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	60792	4.855	ug/l	97
20) Methylene Chloride	4.55	84	25810	4.998	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	22635	4.814	ug/l	91
22) Diisopropyl ether	5.96	45	84677	4.856	ug/l #	92
23) Vinyl Acetate	5.90	43	277635	23.428	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	46697	5.020	ug/l	97
25) 2-Butanone	6.85	43	54612	25.237	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	32329	4.958	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	25514	4.803	ug/l	83
28) Bromochloromethane	7.19	49	22803	4.902	ug/l #	71
29) Tetrahydrofuran	7.22	42	34528	22.942	ug/l #	84
30) Chloroform	7.37	83	44332	4.998	ug/l	99
31) Cyclohexane	7.65	56	52223	4.878	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	34308	4.667	ug/l #	93
36) 1,1-Dichloropropene	7.79	75	31607	4.648	ug/l	95
37) Ethyl Acetate	6.94	43	24013	4.807	ug/l	97
38) Carbon Tetrachloride	7.77	117	31585	4.684	ug/l	94

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

39) Methylcyclohexane	9.08	83	36737	4.813	ug/l #	85
40) Benzene	8.04	78	96936	4.880	ug/l	99
41) Methacrylonitrile	7.18	41	12493	4.368	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	35556	5.013	ug/l	99
43) Isopropyl Acetate	8.17	43	39589	4.786	ug/l #	91
44) Trichloroethene	8.84	130	27065	5.249	ug/l	94
45) 1,2-Dichloropropane	9.12	63	26706	4.715	ug/l	99
46) Dibromomethane	9.21	93	15439	4.845	ug/l	89
47) Bromodichloromethane	9.40	83	30818	4.654	ug/l	99
48) Methyl methacrylate	9.20	41	21339	4.759	ug/l #	83
49) 1,4-Dioxane	9.20	88	4353	97.837	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	107280	23.067	ug/l	94
52) Toluene	10.16	92	57519	4.866	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	25510	4.095	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	33366	4.484	ug/l #	83
55) 1,1,2-Trichloroethane	10.56	97	21234	4.831	ug/l	93
56) Ethyl methacrylate	10.43	69	24054	4.172	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	37323	4.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	45286	20.484	ug/l #	89
59) 2-Hexanone	10.75	43	66005	22.170	ug/l	92
60) Dibromochloromethane	10.90	129	19279	4.330	ug/l	98
61) 1,2-Dibromoethane	11.01	107	19106	4.549	ug/l	99
64) Tetrachloroethene	10.63	164	25249	5.396	ug/l	93
65) Chlorobenzene	11.43	112	60338	5.054	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	22095	4.944	ug/l	93
67) Ethyl Benzene	11.51	91	109125	5.065	ug/l	99
68) m/p-Xylenes	11.62	106	78187	9.806	ug/l	98
69) o-Xylene	11.95	106	38807	4.964	ug/l	96
70) Styrene	11.96	104	59359	4.748	ug/l	97
71) Bromoform	12.13	173	10668	4.075	ug/l #	94
73) Isopropylbenzene	12.25	105	102225	5.628	ug/l	96
74) N-amyl acetate	12.07	43	26713	4.721	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	24670	5.469	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	20193m	5.412	ug/l	
77) Bromobenzene	12.53	156	24738	5.643	ug/l	86
78) n-propylbenzene	12.59	91	104852	5.252	ug/l	97
79) 2-Chlorotoluene	12.67	91	68085	5.513	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	82851	5.559	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4093	4.124	ug/l #	66
82) 4-Chlorotoluene	12.77	91	64645	5.389	ug/l	94
83) tert-Butylbenzene	12.99	119	72277	5.546	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	77158	5.434	ug/l	97
85) sec-Butylbenzene	13.17	105	86713	5.356	ug/l	98
86) p-Isopropyltoluene	13.29	119	75409	5.281	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	37493	5.109	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	35174	4.887	ug/l	89
89) n-Butylbenzene	13.61	91	54630	4.689	ug/l	97
90) Hexachloroethane	13.87	117	11739	4.842	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	39081	5.276	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2953	4.756	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	13414	3.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	12773	5.303	ug/l	97
95) Naphthalene	15.13	128	29045	3.627	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	14860	4.121	ug/l	97

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

