

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055006.D
 Acq On : 12 Apr 2019 18:26
 Operator : JC/SP
 Sample : VN0413WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:29 PM

Quant Time: Apr 13 03:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	436042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	693646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250003	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	275686	50.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	220805	49.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	816396	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	272486	49.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	101710	21.147	ug/l	99
3) Chloromethane	2.06	50	127948	19.837	ug/l	100
4) Vinyl Chloride	2.19	62	108168	20.667	ug/l	100
5) Bromomethane	2.56	94	63821	21.065	ug/l	95
6) Chloroethane	2.70	64	56561	19.596	ug/l	100
7) Trichlorofluoromethane	3.02	101	134446	20.479	ug/l	99
8) Diethyl Ether	3.41	74	43137	20.893	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71212	20.797	ug/l	98
10) Methyl Iodide	3.94	142	91788	18.587	ug/l	100
11) Tert butyl alcohol	4.83	59	37924	112.627	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	66854	19.830	ug/l	95
13) Acrolein	3.61	56	38904	95.719	ug/l	99
14) Allyl chloride	4.31	41	168872	20.501	ug/l	99
15) Acrylonitrile	5.00	53	191016	102.851	ug/l	99
16) Acetone	3.82	43	152415	101.391	ug/l	98
17) Carbon Disulfide	4.04	76	213825	19.473	ug/l	99
18) Methyl Acetate	4.33	43	93395	20.043	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249094	20.680	ug/l	100
20) Methylene Chloride	4.54	84	102336	20.068	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	90931	20.474	ug/l	92
22) Diisopropyl ether	5.96	45	344126	20.605	ug/l	97
23) Vinyl Acetate	5.90	43	1224122	104.793	ug/l	98
24) 1,1-Dichloroethane	5.84	63	181499	20.121	ug/l	99
25) 2-Butanone	6.85	43	245425	106.005	ug/l	98
26) 2,2-Dichloropropane	6.82	77	121442	20.350	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	103573	20.075	ug/l	99
28) Bromochloromethane	7.19	49	89323	20.871	ug/l	100
29) Tetrahydrofuran	7.22	42	162672	107.182	ug/l	99
30) Chloroform	7.37	83	176519	20.522	ug/l	98
31) Cyclohexane	7.65	56	175413	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	140952	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	129893	20.262	ug/l	100
37) Ethyl Acetate	6.94	43	104849	21.786	ug/l	99
38) Carbon Tetrachloride	7.77	117	118780	19.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	149364	20.352	ug/l	99
40) Benzene	8.04	78	395442	20.403	ug/l	99
41) Methacrylonitrile	7.18	41	56296	19.011	ug/l	98
42) 1,2-Dichloroethane	8.13	62	137809	20.212	ug/l	100
43) Isopropyl Acetate	8.17	43	172070	20.910	ug/l	99
44) Trichloroethene	8.83	130	98798	19.947	ug/l	93
45) 1,2-Dichloropropane	9.12	63	110976	20.290	ug/l	100
46) Dibromomethane	9.21	93	62415	19.916	ug/l	96
47) Bromodichloromethane	9.40	83	129256	20.281	ug/l	98
48) Methyl methacrylate	9.20	41	85828	20.246	ug/l	97
49) 1,4-Dioxane	9.20	88	19911	436.737	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	500985	103.974	ug/l	99
52) Toluene	10.16	92	236492	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	114260	19.799	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143740	20.220	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	86911	20.354	ug/l	95
56) Ethyl methacrylate	10.43	69	111565	20.305	ug/l	98
57) 1,3-Dichloropropane	10.71	76	153631	20.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217052	99.718	ug/l	100
59) 2-Hexanone	10.75	43	313515	104.124	ug/l	98
60) Dibromochloromethane	10.90	129	85906	20.212	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81990	20.055	ug/l	99
64) Tetrachloroethene	10.63	164	98264	20.646	ug/l	98
65) Chlorobenzene	11.43	112	245571	20.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89026	20.591	ug/l	98
67) Ethyl Benzene	11.51	91	443541	20.582	ug/l	99
68) m/p-Xylenes	11.62	106	331036	41.986	ug/l	98
69) o-Xylene	11.95	106	157790	20.227	ug/l	99
70) Styrene	11.96	104	255972	20.694	ug/l	98
71) Bromoform	12.13	173	52985	19.534	ug/l #	99
73) Isopropylbenzene	12.25	105	431095	20.281	ug/l	99
74) N-amyl acetate	12.07	43	126388	19.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108727	19.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88857m	19.319	ug/l	
77) Bromobenzene	12.53	156	104225	21.336	ug/l	97
78) n-propylbenzene	12.59	91	478012	20.641	ug/l	100
79) 2-Chlorotoluene	12.67	91	288022	20.132	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	348165	20.121	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22069	19.804	ug/l	95
82) 4-Chlorotoluene	12.77	91	275341	19.900	ug/l	98
83) tert-Butylbenzene	12.99	119	299402	20.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	337482	20.340	ug/l	100
85) sec-Butylbenzene	13.17	105	390971	20.657	ug/l	100
86) p-Isopropyltoluene	13.29	119	339162	20.601	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	168536	19.847	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	158702	19.541	ug/l	98
89) n-Butylbenzene	13.61	91	254640	19.694	ug/l	100
90) Hexachloroethane	13.87	117	51424	18.903	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	167101	20.271	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14449	20.191	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66202	18.559	ug/l	98
94) Hexachlorobutadiene	15.01	225	57081	21.906	ug/l	97
95) Naphthalene	15.13	128	146540	18.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71050	19.107	ug/l	100

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

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