

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054761.D
 Acq On : 29 Mar 2019 10:53
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:02 PM

Quant Time: Mar 30 00:22:33 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	7.67	168	456188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	753746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	140353	22.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.64%	
35) Dibromofluoromethane	7.60	113	114397	22.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.52%	
50) Toluene-d8	10.09	98	412353	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	
62) 4-Bromofluorobenzene	12.40	95	127493	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90119	19.530	ug/l	100
3) Chloromethane	2.06	50	123180	19.306	ug/l	100
4) Vinyl Chloride	2.19	62	113014	19.725	ug/l	98
5) Bromomethane	2.58	94	65355	18.883	ug/l	98
6) Chloroethane	2.71	64	63144	19.736	ug/l	97
7) Trichlorofluoromethane	3.03	101	139374	19.786	ug/l	100
8) Diethyl Ether	3.41	74	45287	19.966	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74330	21.346	ug/l	91
10) Methyl Iodide	3.95	142	104322	20.551	ug/l #	90
11) Tert butyl alcohol	4.81	59	29568	91.369	ug/l	99
12) 1,1-Dichloroethene	3.73	96	72709	20.276	ug/l #	75
13) Acrolein	3.61	56	28169	98.344	ug/l	97
14) Allyl chloride	4.32	41	168866	19.298	ug/l #	93
15) Acrylonitrile	5.00	53	174168	97.798	ug/l	98
16) Acetone	3.82	43	154638	105.451	ug/l #	82
17) Carbon Disulfide	4.04	76	214853	18.473	ug/l	99
18) Methyl Acetate	4.34	43	74940	17.695	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	246761	19.672	ug/l	94
20) Methylene Chloride	4.55	84	99433	19.222	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	91950	19.522	ug/l	87
22) Diisopropyl ether	5.96	45	350736	20.077	ug/l #	93
23) Vinyl Acetate	5.90	43	1215785	102.416	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	187153	20.083	ug/l	98
25) 2-Butanone	6.85	43	223028	102.887	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	127420	19.509	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105674	19.860	ug/l	88
28) Bromochloromethane	7.20	49	90388	19.398	ug/l #	69
29) Tetrahydrofuran	7.22	42	144012	95.525	ug/l #	83
30) Chloroform	7.37	83	179482	20.199	ug/l	98
31) Cyclohexane	7.65	56	180030	16.788	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	146304	19.868	ug/l	96
36) 1,1-Dichloropropene	7.79	75	136254	19.804	ug/l	95
37) Ethyl Acetate	6.94	43	101294	20.042	ug/l #	94
38) Carbon Tetrachloride	7.77	117	126206	18.501	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	150936	19.547	ug/l	87
40) Benzene	8.04	78	391583	19.485	ug/l	99
41) Methacrylonitrile	7.18	41	53570	18.515	ug/l	89
42) 1,2-Dichloroethane	8.13	62	141583	19.731	ug/l	97
43) Isopropyl Acetate	8.17	43	167046	19.961	ug/l #	93
44) Trichloroethene	8.83	130	104985	20.124	ug/l	95
45) 1,2-Dichloropropane	9.12	63	112404	19.615	ug/l	96
46) Dibromomethane	9.21	93	62587	19.415	ug/l	89
47) Bromodichloromethane	9.40	83	133423	19.915	ug/l	98
48) Methyl methacrylate	9.20	41	83498	18.406	ug/l	87
49) 1,4-Dioxane	9.20	88	18455	409.998	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	457165	97.163	ug/l	92
52) Toluene	10.16	92	230595	19.283	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	119017	18.885	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	149978	19.922	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	88577	19.920	ug/l	97
56) Ethyl methacrylate	10.43	69	108202	18.550	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	151562	19.826	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	210781	94.238	ug/l #	88
59) 2-Hexanone	10.75	43	286030	94.962	ug/l	92
60) Dibromochloromethane	10.90	129	88489	19.646	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81987	19.294	ug/l	99
64) Tetrachloroethene	10.63	164	98861	20.529	ug/l	95
65) Chlorobenzene	11.43	112	246895	20.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	93235	20.273	ug/l	98
67) Ethyl Benzene	11.51	91	441975	19.934	ug/l	99
68) m/p-Xylenes	11.62	106	330187	40.242	ug/l	95
69) o-Xylene	11.95	106	161758	20.104	ug/l	96
70) Styrene	11.96	104	261344	20.315	ug/l	95
71) Bromoform	12.13	173	52533	19.498	ug/l #	99
73) Isopropylbenzene	12.25	105	424762	19.404	ug/l	98
74) N-amyl acetate	12.07	43	126734	18.583	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	102870	18.923	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	91771m	20.406	ug/l	
77) Bromobenzene	12.53	156	102533	19.408	ug/l	84
78) n-propylbenzene	12.59	91	473804	19.693	ug/l	96
79) 2-Chlorotoluene	12.67	91	289364	19.440	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	348775	19.418	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20767	17.362	ug/l #	78
82) 4-Chlorotoluene	12.77	91	281161	19.447	ug/l	96
83) tert-Butylbenzene	12.99	119	306362	19.504	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	346125	20.227	ug/l	98
85) sec-Butylbenzene	13.17	105	384865	19.725	ug/l	98
86) p-Isopropyltoluene	13.29	119	338929	19.694	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	171352	19.372	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	167339	19.289	ug/l	97
89) n-Butylbenzene	13.61	91	269749	19.212	ug/l	96
90) Hexachloroethane	13.87	117	53586	18.340	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	172197	19.290	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14484	19.355	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	75953	17.648	ug/l	98
94) Hexachlorobutadiene	15.01	225	55133	18.992	ug/l	100
95) Naphthalene	15.13	128	167839	17.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80386	18.495	ug/l	99

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

