

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054505.D
 Acq On : 21 Mar 2019 11:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:17 PM

Quant Time: Mar 22 10:16:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	568655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	341063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	343180	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.59	113	280671	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1058348	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	366376	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	280334	51.568	ug/l	99
3) Chloromethane	2.06	50	355998	48.131	ug/l	99
4) Vinyl Chloride	2.19	62	351309	47.308	ug/l	100
5) Bromomethane	2.57	94	203977	42.479	ug/l	96
6) Chloroethane	2.71	64	196929	44.213	ug/l	99
7) Trichlorofluoromethane	3.02	101	427273	47.379	ug/l	99
8) Diethyl Ether	3.41	74	155295	44.775	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.75	101	244879	46.203	ug/l	95
10) Methyl Iodide	3.94	142	346137	44.397	ug/l	93
11) Tert butyl alcohol	4.82	59	103757	242.295	ug/l	98
12) 1,1-Dichloroethene	3.73	96	233973	42.658	ug/l #	79
13) Acrolein	3.61	56	133043	225.132	ug/l	98
14) Allyl chloride	4.32	41	511706	49.544	ug/l #	91
15) Acrylonitrile	4.99	53	540476	253.445	ug/l	99
16) Acetone	3.82	43	529988	249.224	ug/l #	85
17) Carbon Disulfide	4.04	76	700541	47.668	ug/l	99
18) Methyl Acetate	4.33	43	230992	48.734	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	779147	48.675	ug/l	94
20) Methylene Chloride	4.55	84	293916	46.887	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	279503	49.905	ug/l #	84
22) Diisopropyl ether	5.96	45	1026179	50.371	ug/l #	94
23) Vinyl Acetate	5.90	43	3780346	262.734	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	545610	49.740	ug/l	98
25) 2-Butanone	6.84	43	721837	264.981	ug/l	90
26) 2,2-Dichloropropane	6.82	77	406014	51.924	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	319336	47.802	ug/l	88
28) Bromochloromethane	7.19	49	260365	48.222	ug/l #	75
29) Tetrahydrofuran	7.22	42	453588	256.588	ug/l #	85
30) Chloroform	7.37	83	521798	48.744	ug/l	100
31) Cyclohexane	7.65	56	543430	51.768	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	444539	50.335	ug/l	96
36) 1,1-Dichloropropene	7.79	75	417720	51.884	ug/l	96
37) Ethyl Acetate	6.94	43	299739	52.345	ug/l	96
38) Carbon Tetrachloride	7.77	117	395095	50.499	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	498994	54.182	ug/l	90
40) Benzene	8.04	78	1178975	51.210	ug/l	99
41) Methacrylonitrile	7.17	41	176792	50.625	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	418074	49.864	ug/l	98
43) Isopropyl Acetate	8.17	43	520945	53.868	ug/l #	94
44) Trichloroethene	8.83	130	320153	50.018	ug/l	93
45) 1,2-Dichloropropane	9.12	63	325697	52.684	ug/l	99
46) Dibromomethane	9.21	93	191496	51.923	ug/l	89
47) Bromodichloromethane	9.40	83	402962	52.647	ug/l	97
48) Methyl methacrylate	9.20	41	266524	50.777	ug/l	88
49) 1,4-Dioxane	9.20	88	58720	1000.682	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1454816	271.442	ug/l	94
52) Toluene	10.16	92	723043	51.062	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	399106	49.456	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	480040	54.698	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	261013	51.280	ug/l	97
56) Ethyl methacrylate	10.43	69	371457	54.372	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	462674	52.291	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	717013	254.877	ug/l	91
59) 2-Hexanone	10.75	43	958580	273.817	ug/l	94
60) Dibromochloromethane	10.90	129	291187	53.762	ug/l	99
61) 1,2-Dibromoethane	11.00	107	260932	51.854	ug/l	99
64) Tetrachloroethene	10.63	164	300227	48.302	ug/l	96
65) Chlorobenzene	11.43	112	770625	50.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	286713	52.411	ug/l	99
67) Ethyl Benzene	11.51	91	1368336	50.826	ug/l	99
68) m/p-Xylenes	11.62	106	1043449	102.324	ug/l	97
69) o-Xylene	11.95	106	498659	50.072	ug/l	97
70) Styrene	11.96	104	837597	51.791	ug/l	98
71) Bromoform	12.13	173	179650	47.739	ug/l #	99
73) Isopropylbenzene	12.25	105	1335371	48.588	ug/l	98
74) N-amyl acetate	12.07	43	436124	55.188	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	319067	50.857	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	305297m	56.410	ug/l	
77) Bromobenzene	12.53	156	328532	48.198	ug/l	87
78) n-propylbenzene	12.59	91	1508813	50.628	ug/l	97
79) 2-Chlorotoluene	12.67	91	894271	48.119	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1124383	49.917	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	75071	47.956	ug/l	86
82) 4-Chlorotoluene	12.77	91	892648	49.553	ug/l	97
83) tert-Butylbenzene	12.99	119	972255	49.587	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1102362	49.876	ug/l	99
85) sec-Butylbenzene	13.17	105	1241193	50.781	ug/l	97
86) p-Isopropyltoluene	13.29	119	1135248	51.916	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	559982	49.575	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	544726	49.564	ug/l	98
89) n-Butylbenzene	13.62	91	950376	55.583	ug/l	99
90) Hexachloroethane	13.87	117	183816	54.155	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	544119	49.732	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48100	52.270	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	305476	56.008	ug/l	99
94) Hexachlorobutadiene	15.01	225	187717	61.845	ug/l	98
95) Naphthalene	15.13	128	656665	53.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	295838	54.499	ug/l	99

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

