

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054863.D
 Acq On : 31 Mar 2019 20:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:50:18 PM

Quant Time: Apr 01 04:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	410719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	692921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	293616	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.59	113	230066	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	869188	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	294618	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	200636	48.295	ug/l	100
3) Chloromethane	2.06	50	300053	52.235	ug/l	98
4) Vinyl Chloride	2.19	62	264616	51.297	ug/l	98
5) Bromomethane	2.57	94	135043	49.929	ug/l	97
6) Chloroethane	2.71	64	147308	51.140	ug/l	98
7) Trichlorofluoromethane	3.02	101	327020	51.564	ug/l	99
8) Diethyl Ether	3.41	74	109860	53.797	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	165294	49.510	ug/l	94
10) Methyl Iodide	3.94	142	223265	48.850	ug/l #	88
11) Tert butyl alcohol	4.82	59	85260	295.562	ug/l	97
12) 1,1-Dichloroethene	3.73	96	169420	52.476	ug/l #	79
13) Acrolein	3.61	56	64485	250.054	ug/l	96
14) Allyl chloride	4.32	41	413769	52.032	ug/l #	91
15) Acrylonitrile	5.00	53	458540	285.982	ug/l	99
16) Acetone	3.82	43	310229	234.971	ug/l #	84
17) Carbon Disulfide	4.04	76	529186	50.537	ug/l	99
18) Methyl Acetate	4.33	43	207376	60.496	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	628611	55.663	ug/l	93
20) Methylene Chloride	4.54	84	251909	54.090	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	221661	52.271	ug/l #	81
22) Diisopropyl ether	5.96	45	885508	56.301	ug/l #	94
23) Vinyl Acetate	5.90	43	3171911	289.797	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	453760	54.083	ug/l	98
25) 2-Butanone	6.85	43	569361	291.736	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	256659	43.646	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	260640	54.408	ug/l	89
28) Bromochloromethane	7.19	49	214130	51.040	ug/l #	70
29) Tetrahydrofuran	7.22	42	384253	283.476	ug/l #	84
30) Chloroform	7.37	83	440911	55.112	ug/l	100
31) Cyclohexane	7.65	56	411819	54.036	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	367795	55.475	ug/l	95
36) 1,1-Dichloropropene	7.79	75	332610	51.514	ug/l	96
37) Ethyl Acetate	6.94	43	252194	53.263	ug/l	95
38) Carbon Tetrachloride	7.77	117	314134	50.092	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348476	49.092	ug/l	90
40) Benzene	8.04	78	987423	53.446	ug/l	100
41) Methacrylonitrile	7.18	41	155125	58.322	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	348148	52.776	ug/l	97
43) Isopropyl Acetate	8.17	43	446894	58.088	ug/l #	92
44) Trichloroethene	8.83	130	251180	52.374	ug/l	90
45) 1,2-Dichloropropane	9.12	63	281520	53.440	ug/l	99
46) Dibromomethane	9.21	93	158801	53.586	ug/l	88
47) Bromodichloromethane	9.40	83	341986	55.527	ug/l	97
48) Methyl methacrylate	9.20	41	225820	54.148	ug/l	88
49) 1,4-Dioxane	9.21	88	48047	1161.116	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1254785	290.093	ug/l	93
52) Toluene	10.16	92	591458	53.801	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	319924	55.221	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	384845	55.608	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	217134	53.118	ug/l	97
56) Ethyl methacrylate	10.43	69	308272	57.489	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	380753	54.179	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	577580	250.048	ug/l #	88
59) 2-Hexanone	10.75	43	782240	282.500	ug/l	91
60) Dibromochloromethane	10.90	129	238695	57.645	ug/l	98
61) 1,2-Dibromoethane	11.01	107	215471	55.158	ug/l	99
64) Tetrachloroethene	10.63	164	234408	49.775	ug/l	96
65) Chlorobenzene	11.43	112	609849	50.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239375	53.225	ug/l	99
67) Ethyl Benzene	11.51	91	1129723	52.103	ug/l	97
68) m/p-Xylenes	11.62	106	815910	101.684	ug/l	92
69) o-Xylene	11.95	106	405143	51.490	ug/l	96
70) Styrene	11.96	104	681152	54.142	ug/l	97
71) Bromoform	12.13	173	146927	55.765	ug/l #	100
73) Isopropylbenzene	12.25	105	1072205	48.777	ug/l	98
74) N-amyl acetate	12.07	43	369675	53.981	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	276946	57.405	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	244040m	52.234	ug/l	
77) Bromobenzene	12.53	156	264390	49.836	ug/l	84
78) n-propylbenzene	12.59	91	1187838	49.164	ug/l	96
79) 2-Chlorotoluene	12.68	91	732135	48.981	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	884820	49.056	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	59161	49.255	ug/l #	84
82) 4-Chlorotoluene	12.77	91	728554	50.182	ug/l	94
83) tert-Butylbenzene	12.99	119	767913	55.163	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	865617	50.374	ug/l	98
85) sec-Butylbenzene	13.17	105	965429	49.273	ug/l	97
86) p-Isopropyltoluene	13.29	119	851019	49.245	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	446168	50.231	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	438278	50.309	ug/l	99
89) n-Butylbenzene	13.62	91	676314	47.967	ug/l	98
90) Hexachloroethane	13.87	117	149974	51.114	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	444339	49.568	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40336	53.676	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	215234	49.803	ug/l	100
94) Hexachlorobutadiene	15.01	225	127312	49.731	ug/l	98
95) Naphthalene	15.13	128	492555	50.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	219666	50.329	ug/l	98

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

