

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054657.D
 Acq On : 24 Mar 2019 19:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:55:20 AM

Quant Time: Mar 25 07:45:34 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	7.67	168	447370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	754420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	303622	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
35) Dibromofluoromethane	7.59	113	243543	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	897789	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	310589	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	234590	54.853	ug/l	98
3) Chloromethane	2.06	50	317976	54.646	ug/l	100
4) Vinyl Chloride	2.19	62	295653	50.607	ug/l	99
5) Bromomethane	2.57	94	169402	44.843	ug/l	99
6) Chloroethane	2.71	64	169823	48.464	ug/l	97
7) Trichlorofluoromethane	3.02	101	365599	51.531	ug/l	99
8) Diethyl Ether	3.41	74	126892	46.504	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	193092	46.309	ug/l	93
10) Methyl Iodide	3.95	142	289389	47.181	ug/l #	90
11) Tert butyl alcohol	4.82	59	84402	250.532	ug/l	99
12) 1,1-Dichloroethene	3.73	96	193184	44.770	ug/l #	75
13) Acrolein	3.61	56	56125	120.721	ug/l	92
14) Allyl chloride	4.32	41	451974	55.624	ug/l #	91
15) Acrylonitrile	5.00	53	483423	288.148	ug/l	99
16) Acetone	3.82	43	341142	203.911	ug/l #	84
17) Carbon Disulfide	4.04	76	528497	45.711	ug/l	99
18) Methyl Acetate	4.33	43	220876	59.233	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	699707	55.562	ug/l	96
20) Methylene Chloride	4.55	84	265139	53.763	ug/l #	80
21) trans-1,2-Dichloroethene	5.04	96	240080	54.487	ug/l	87
22) Diisopropyl ether	5.96	45	961447	59.988	ug/l #	92
23) Vinyl Acetate	5.90	43	3387117	299.225	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	499642	57.898	ug/l	97
25) 2-Butanone	6.85	43	598203	279.130	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	299991	48.766	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	286632	54.539	ug/l	89
28) Bromochloromethane	7.19	49	237239	55.851	ug/l #	72
29) Tetrahydrofuran	7.22	42	413362	297.227	ug/l #	83
30) Chloroform	7.37	83	480970	57.110	ug/l	100
31) Cyclohexane	7.65	56	467638	56.806	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	391126	56.293	ug/l	95
36) 1,1-Dichloropropene	7.79	75	354431	50.246	ug/l	96
37) Ethyl Acetate	6.94	43	273668	54.548	ug/l	95
38) Carbon Tetrachloride	7.77	117	333083	48.591	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384429	47.643	ug/l	89
40) Benzene	8.04	78	1062573	52.678	ug/l	99
41) Methacrylonitrile	7.17	41	169875	55.522	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	386227	52.578	ug/l	97
43) Isopropyl Acetate	8.17	43	471986	55.705	ug/l #	93
44) Trichloroethene	8.84	130	276228	49.257	ug/l	91
45) 1,2-Dichloropropane	9.12	63	298807	55.168	ug/l	99
46) Dibromomethane	9.21	93	169022	52.309	ug/l	90
47) Bromodichloromethane	9.40	83	355816	53.059	ug/l	97
48) Methyl methacrylate	9.20	41	246736	53.652	ug/l #	86
49) 1,4-Dioxane	9.20	88	48020	934.025	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1318175	280.717	ug/l	93
52) Toluene	10.16	92	642605	51.797	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	335635	47.560	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	412401	53.634	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	233641	52.391	ug/l	97
56) Ethyl methacrylate	10.43	69	327094	54.647	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	417773	53.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	516729	209.649	ug/l	89
59) 2-Hexanone	10.75	43	818728	266.930	ug/l	91
60) Dibromochloromethane	10.90	129	244248	51.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	229548	52.066	ug/l	99
64) Tetrachloroethene	10.63	164	263499	48.912	ug/l	95
65) Chlorobenzene	11.43	112	679883	51.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249525	52.627	ug/l	99
67) Ethyl Benzene	11.51	91	1209505	51.834	ug/l	98
68) m/p-Xylenes	11.62	106	893188	101.058	ug/l	95
69) o-Xylene	11.95	106	448355	51.944	ug/l	98
70) Styrene	11.96	104	734450	52.397	ug/l	97
71) Bromoform	12.13	173	145465	44.745	ug/l	100
73) Isopropylbenzene	12.25	105	1150801	50.247	ug/l	98
74) N-amyl acetate	12.07	43	376755	57.211	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	283677	54.260	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	216930m	48.099	ug/l	
77) Bromobenzene	12.53	156	285687	50.296	ug/l	85
78) n-propylbenzene	12.59	91	1262848	50.850	ug/l	97
79) 2-Chlorotoluene	12.67	91	774210	49.992	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	940627	50.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	55838	43.145	ug/l #	78
82) 4-Chlorotoluene	12.77	91	763365	50.852	ug/l	97
83) tert-Butylbenzene	12.99	119	818893	50.119	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	928595	50.417	ug/l	97
85) sec-Butylbenzene	13.17	105	1014197	49.794	ug/l	98
86) p-Isopropyltoluene	13.29	119	898831	49.326	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	470306	49.964	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	459036	50.122	ug/l	98
89) n-Butylbenzene	13.61	91	711671	49.947	ug/l	98
90) Hexachloroethane	13.87	117	143381	50.691	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	465213	51.025	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41065	53.551	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233554	51.387	ug/l	98
94) Hexachlorobutadiene	15.01	225	137333	53.977	ug/l	98
95) Naphthalene	15.13	128	521685	51.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	230106	50.869	ug/l	98

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

