

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054961.D
 Acq On : 5 Apr 2019 9:02
 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
 4/8/2019 3:34:04 AM

Quant Time: Apr 05 23:40:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	623521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290759	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	237992	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.09	98	897397	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	311297	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271496	51.464	ug/l	100
3) Chloromethane	2.06	50	327573	46.964	ug/l	99
4) Vinyl Chloride	2.19	62	296445	48.644	ug/l	97
5) Bromomethane	2.57	94	160304	46.082	ug/l	97
6) Chloroethane	2.71	64	159808	47.017	ug/l	97
7) Trichlorofluoromethane	3.03	101	369006	49.870	ug/l	98
8) Diethyl Ether	3.41	74	112109	47.572	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199333	50.846	ug/l	100
10) Methyl Iodide	3.95	142	272113	49.242	ug/l	100
11) Tert butyl alcohol	4.81	59	66402	221.216	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	187786	48.288	ug/l	99
13) Acrolein	3.61	56	105809	232.910	ug/l	99
14) Allyl chloride	4.32	41	434769	50.373	ug/l	100
15) Acrylonitrile	4.99	53	417035	231.684	ug/l	100
16) Acetone	3.82	43	432912	303.459	ug/l	99
17) Carbon Disulfide	4.04	76	625688	50.545	ug/l	100
18) Methyl Acetate	4.33	43	178589	46.924	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	596167	47.263	ug/l	99
20) Methylene Chloride	4.54	84	253381	46.934	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	239977	49.409	ug/l	97
22) Diisopropyl ether	5.96	45	880027	49.646	ug/l	100
23) Vinyl Acetate	5.90	43	3056129	247.768	ug/l	100
24) 1,1-Dichloroethane	5.85	63	471293	48.755	ug/l	99
25) 2-Butanone	6.84	43	556414	254.747	ug/l	100
26) 2,2-Dichloropropane	6.82	77	343937	50.755	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	273627	49.664	ug/l	98
28) Bromochloromethane	7.19	49	210757	46.540	ug/l	99
29) Tetrahydrofuran	7.22	42	331357	231.455	ug/l	99
30) Chloroform	7.37	83	451837	49.321	ug/l	99
31) Cyclohexane	7.65	56	464325	50.737	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	372017	48.122	ug/l	99
36) 1,1-Dichloropropene	7.79	75	354784	51.140	ug/l	99
37) Ethyl Acetate	6.93	43	232182	48.769	ug/l	99
38) Carbon Tetrachloride	7.77	117	328661	49.055	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	411456	53.910	ug/l	99
40) Benzene	8.04	78	1021557	51.174	ug/l	99
41) Methacrylonitrile	7.18	41	139107	51.100	ug/l	97
42) 1,2-Dichloroethane	8.12	62	351168	50.061	ug/l	100
43) Isopropyl Acetate	8.17	43	394438	49.159	ug/l	100
44) Trichloroethene	8.83	130	267454	52.399	ug/l	99
45) 1,2-Dichloropropane	9.12	63	284029	51.065	ug/l	99
46) Dibromomethane	9.21	93	160005	50.729	ug/l	98
47) Bromodichloromethane	9.40	83	342807	51.746	ug/l	99
48) Methyl methacrylate	9.20	41	200604	49.387	ug/l	99
49) 1,4-Dioxane	9.20	88	40478	987.320	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1100085	245.765	ug/l	100
52) Toluene	10.15	92	616002	52.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	331107	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	406466	54.513	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215341	50.476	ug/l	98
56) Ethyl methacrylate	10.43	69	279834	50.169	ug/l	98
57) 1,3-Dichloropropane	10.71	76	376802	50.573	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573962	232.374	ug/l	99
59) 2-Hexanone	10.75	43	726506	259.849	ug/l	100
60) Dibromochloromethane	10.90	129	232893	52.118	ug/l	99
61) 1,2-Dibromoethane	11.00	107	206545	51.492	ug/l	100
64) Tetrachloroethene	10.63	164	261134	51.928	ug/l	99
65) Chlorobenzene	11.43	112	646205	50.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240173	51.614	ug/l	99
67) Ethyl Benzene	11.51	91	1187758	51.833	ug/l	100
68) m/p-Xylenes	11.62	106	884801	105.624	ug/l	99
69) o-Xylene	11.95	106	422902	51.757	ug/l	100
70) Styrene	11.96	104	715958	54.628	ug/l	99
71) Bromoform	12.13	173	141818	50.705	ug/l #	98
73) Isopropylbenzene	12.25	105	1143559	47.536	ug/l	100
74) N-amyl acetate	12.07	43	324579	48.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255748	48.709	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204446m	46.378	ug/l	
77) Bromobenzene	12.53	156	278340	47.776	ug/l	98
78) n-propylbenzene	12.59	91	1319771	49.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	779689	47.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	966069	48.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62733	50.884	ug/l	94
82) 4-Chlorotoluene	12.77	91	781879	50.325	ug/l	99
83) tert-Butylbenzene	12.99	119	811108	48.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	957228	50.077	ug/l	99
85) sec-Butylbenzene	13.17	105	1067190	49.092	ug/l	99
86) p-Isopropyltoluene	13.29	119	967693	51.664	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	485590	50.107	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	467650	50.689	ug/l	99
89) n-Butylbenzene	13.61	91	834384	55.741	ug/l	99
90) Hexachloroethane	13.87	117	157775	50.146	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	469087	49.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37404	45.423	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	242101	48.779	ug/l	100
94) Hexachlorobutadiene	15.01	225	159617	50.143	ug/l	99
95) Naphthalene	15.13	128	470294	43.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	229179	52.451	ug/l	99

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

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