

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057162.D
 Acq On : 9 Aug 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:35:02 PM

Quant Time: Aug 10 08:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1070793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1615976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1457312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	582913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	558019	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	6.99	113	515655	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.56	98	1933661	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.92	95	646981	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	391520	45.492	ug/l	97
3) Chloromethane	2.00	50	500648	43.782	ug/l	99
4) Vinyl Chloride	2.11	62	498970	46.944	ug/l	99
5) Bromomethane	2.43	94	349864	48.444	ug/l	99
6) Chloroethane	2.55	64	332151	48.720	ug/l	98
7) Trichlorofluoromethane	2.82	101	742543	48.602	ug/l	98
8) Diethyl Ether	3.14	74	293127	49.659	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.44	101	441960	47.719	ug/l	99
10) Methyl Iodide	3.63	142	716336	51.182	ug/l	100
11) Tert butyl alcohol	4.23	59	358029	228.466	ug/l	99
12) 1,1-Dichloroethene	3.43	96	451606	49.565	ug/l	99
13) Acrolein	3.31	56	210891	212.725	ug/l	100
14) Allyl chloride	3.91	41	627097	47.359	ug/l	97
15) Acrylonitrile	4.45	53	1074766	253.408	ug/l	99
16) Acetone	3.47	43	797152	239.692	ug/l	99
17) Carbon Disulfide	3.72	76	1167993	48.186	ug/l	98
18) Methyl Acetate	3.89	43	499435	50.408	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1406142	51.119	ug/l	100
20) Methylene Chloride	4.10	84	520525	47.424	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	484486	48.813	ug/l	97
22) Diisopropyl ether	5.32	45	1436693	49.743	ug/l	97
23) Vinyl Acetate	5.26	43	5661619	255.987	ug/l	100
24) 1,1-Dichloroethane	5.25	63	874560	49.258	ug/l	98
25) 2-Butanone	6.20	43	1293775	254.619	ug/l	99
26) 2,2-Dichloropropane	6.21	77	546253	42.289	ug/l	98
27) cis-1,2-Dichloroethene	6.21	96	569490	50.084	ug/l	99
28) Bromochloromethane	6.59	49	378013	46.288	ug/l	100
29) Tetrahydrofuran	6.60	42	862551	251.993	ug/l	99
30) Chloroform	6.76	83	894013	48.650	ug/l	99
31) Cyclohexane	7.07	56	743232	46.529	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	781315	50.684	ug/l	99
36) 1,1-Dichloropropene	7.20	75	659536	49.570	ug/l	99
37) Ethyl Acetate	6.28	43	542335	49.447	ug/l #	99
38) Carbon Tetrachloride	7.19	117	692982	49.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	771231	47.665	ug/l	98
40) Benzene	7.46	78	2048964	48.645	ug/l	100
41) Methacrylonitrile	6.55	41	278838	50.049	ug/l	97
42) 1,2-Dichloroethane	7.54	62	658454	49.017	ug/l	99
43) Isopropyl Acetate	7.56	43	927984	49.579	ug/l	100
44) Trichloroethene	8.27	130	575416	48.762	ug/l	99
45) 1,2-Dichloropropane	8.56	63	538911	49.414	ug/l	98
46) Dibromomethane	8.65	93	345333	49.384	ug/l	98
47) Bromodichloromethane	8.85	83	702309	51.905	ug/l	99
48) Methyl methacrylate	8.64	41	428868	48.592	ug/l	98
49) 1,4-Dioxane	8.64	88	178611	993.627	ug/l	99
51) 4-Methyl-2-Pentanone	9.45	43	2695501	247.446	ug/l	100
52) Toluene	9.63	92	1298837	49.678	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	718641	50.840	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	816761	50.356	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	511870	49.787	ug/l	99
56) Ethyl methacrylate	9.90	69	741219	51.490	ug/l	98
57) 1,3-Dichloropropane	10.19	76	836897	49.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	1116283	197.385	ug/l	98
59) 2-Hexanone	10.24	43	1900718	257.813	ug/l	99
60) Dibromochloromethane	10.39	129	575215	53.271	ug/l	99
61) 1,2-Dibromoethane	10.50	107	526160	49.594	ug/l	99
64) Tetrachloroethene	10.11	164	603824	49.822	ug/l	98
65) Chlorobenzene	10.93	112	1416584	48.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	548812	50.063	ug/l	100
67) Ethyl Benzene	11.01	91	2461466	48.774	ug/l	99
68) m/p-Xylenes	11.13	106	1843854	99.174	ug/l	99
69) o-Xylene	11.46	106	897988	48.530	ug/l	99
70) Styrene	11.47	104	1494933	51.725	ug/l	99
71) Bromoform	11.64	173	426309	53.089	ug/l #	100
73) Isopropylbenzene	11.76	105	2434943	51.358	ug/l	100
74) N-amyl acetate	11.58	43	704608	47.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	687547	54.464	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	545032m	47.775	ug/l	
77) Bromobenzene	12.04	156	644664	46.012	ug/l	98
78) n-propylbenzene	12.11	91	2568786	45.935	ug/l	100
79) 2-Chlorotoluene	12.20	91	1572528	50.488	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2026865	45.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	188365	47.513	ug/l	98
82) 4-Chlorotoluene	12.30	91	1484166	45.836	ug/l	100
83) tert-Butylbenzene	12.52	119	1821798	51.412	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	1932434	44.426	ug/l	100
85) sec-Butylbenzene	12.70	105	2247723	44.259	ug/l	98
86) p-Isopropyltoluene	12.82	119	1994506	44.756	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	968244	48.541	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	921629	48.765	ug/l	100
89) n-Butylbenzene	13.15	91	1402259	45.545	ug/l	99
90) Hexachloroethane	13.41	117	369084	52.143	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	963537	48.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	94498	46.117	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	373153	44.862	ug/l	99
94) Hexachlorobutadiene	14.55	225	377333	54.629	ug/l	98
95) Naphthalene	14.67	128	706501	43.174	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	353607	41.561	ug/l	99

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

