

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN051999.D
 Acq On : 25 Oct 2018 8:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:19:28 AM

Quant Time: Oct 26 01:15:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1303854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1831853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	863904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	505534	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
35) Dibromofluoromethane	7.59	113	555050	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	2019118	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	688126	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	375655	45.401	ug/l	99
3) Chloromethane	2.06	50	329961	44.290	ug/l	99
4) Vinyl Chloride	2.19	62	423490	42.408	ug/l	98
5) Bromomethane	2.57	94	419751	43.902	ug/l	94
6) Chloroethane	2.71	64	301538	40.673	ug/l	97
7) Trichlorofluoromethane	3.02	101	792005	44.511	ug/l	99
8) Diethyl Ether	3.41	74	238810	45.142	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	497355	46.661	ug/l	99
10) Methyl Iodide	3.96	142	773355	49.039	ug/l	98
11) Tert butyl alcohol	4.78	59	110730	184.252	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	442249	46.330	ug/l	96
13) Acrolein	3.61	56	84398	244.880	ug/l	98
14) Allyl chloride	4.33	41	463228	45.860	ug/l	98
15) Acrylonitrile	4.99	53	576524	227.253	ug/l	99
16) Acetone	3.82	43	399645	208.886	ug/l	96
17) Carbon Disulfide	4.06	76	1070227	47.166	ug/l	100
18) Methyl Acetate	4.32	43	263392	45.102	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1165296	45.469	ug/l	99
20) Methylene Chloride	4.55	84	493928	44.008	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	510598	47.231	ug/l	98
22) Diisopropyl ether	5.95	45	1068757	46.247	ug/l	98
23) Vinyl Acetate	5.90	43	3680348	234.109	ug/l	99
24) 1,1-Dichloroethane	5.85	63	773522	45.847	ug/l	99
25) 2-Butanone	6.83	43	616270	225.948	ug/l	99
26) 2,2-Dichloropropane	6.83	77	746501	48.359	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	596634	47.243	ug/l	98
28) Bromochloromethane	7.19	49	319119	46.930	ug/l	93
29) Tetrahydrofuran	7.21	42	392343	212.313	ug/l	100
30) Chloroform	7.37	83	940096	45.632	ug/l	99
31) Cyclohexane	7.65	56	640117	47.078	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	887727	47.123	ug/l	99
36) 1,1-Dichloropropene	7.79	75	675750	48.089	ug/l	98
37) Ethyl Acetate	6.93	43	289605	45.973	ug/l	99
38) Carbon Tetrachloride	7.77	117	817819	50.696	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	839793	48.931	ug/l	98
40) Benzene	8.04	78	2010220	48.181	ug/l	100
41) Methacrylonitrile	7.18	41	159098	50.385	ug/l	90
42) 1,2-Dichloroethane	8.12	62	618745	46.253	ug/l	100
43) Isopropyl Acetate	8.16	43	560628	47.639	ug/l #	87
44) Trichloroethene	8.84	130	674669	50.379	ug/l	94
45) 1,2-Dichloropropane	9.12	63	463859	49.148	ug/l	98
46) Dibromomethane	9.21	93	354948	46.654	ug/l	94
47) Bromodichloromethane	9.40	83	715457	49.793	ug/l	98
48) Methyl methacrylate	9.20	41	266252	46.808	ug/l	99
49) 1,4-Dioxane	9.20	88	76984	738.100	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1495020	230.955	ug/l	100
52) Toluene	10.16	92	1404313	49.636	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	685937	46.826	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	774346	51.560	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	501164	47.943	ug/l	99
56) Ethyl methacrylate	10.43	69	549264	48.882	ug/l	99
57) 1,3-Dichloropropane	10.71	76	751243	47.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1445944	245.932	ug/l	99
59) 2-Hexanone	10.75	43	1023728	235.376	ug/l	99
60) Dibromochloromethane	10.90	129	611454	46.017	ug/l	99
61) 1,2-Dibromoethane	11.00	107	536366	48.664	ug/l	100
64) Tetrachloroethene	10.63	164	659343	50.043	ug/l	97
65) Chlorobenzene	11.43	112	1705311	49.203	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	631374	50.682	ug/l	99
67) Ethyl Benzene	11.51	91	2715968	48.751	ug/l	99
68) m/p-Xylenes	11.62	106	2280312	102.445	ug/l	99
69) o-Xylene	11.95	106	1090671	50.382	ug/l	98
70) Styrene	11.96	104	1768121	51.102	ug/l	99
71) Bromoform	12.13	173	394121	43.211	ug/l #	99
73) Isopropylbenzene	12.25	105	2941803	53.694	ug/l	99
74) N-amyl acetate	12.07	43	513608	47.626	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	497448	43.941	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	396156m	44.394	ug/l	
77) Bromobenzene	12.53	156	823388	54.455	ug/l	94
78) n-propylbenzene	12.59	91	3145981	53.229	ug/l	100
79) 2-Chlorotoluene	12.67	91	1798996	52.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2341332	53.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136279	49.256	ug/l	97
82) 4-Chlorotoluene	12.77	91	1858278	52.147	ug/l	98
83) tert-Butylbenzene	12.99	119	2165314	52.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2350794	51.846	ug/l	99
85) sec-Butylbenzene	13.17	105	2770174	51.017	ug/l	99
86) p-Isopropyltoluene	13.29	119	2547897	52.119	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1425460	51.114	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1385259	50.384	ug/l	99
89) n-Butylbenzene	13.61	91	1883531	48.387	ug/l	99
90) Hexachloroethane	13.87	117	378668	51.993	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1274637	47.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53890	31.003	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	440642	27.650	ug/l	100
94) Hexachlorobutadiene	15.01	225	280619	34.269	ug/l	98
95) Naphthalene	15.13	128	807701	23.337	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	327508	21.500	ug/l	97

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

