

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056492.D
 Acq On : 25 Jun 2019 17:21
 Operator : JC/SP
 Sample : K3519-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:37 AM

Quant Time: Jun 26 05:05:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	547890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190551	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	170051	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	628947	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	216275	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132567	44.559	ug/l	98
3) Chloromethane	2.06	50	169278	41.787	ug/l	98
4) Vinyl Chloride	2.18	62	173375	44.312	ug/l	98
5) Bromomethane	2.52	94	104524m	45.569	ug/l	
6) Chloroethane	2.68	64	102352	45.172	ug/l	95
7) Trichlorofluoromethane	3.00	101	236273	46.684	ug/l	99
8) Diethyl Ether	3.41	74	102914	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150818	46.728	ug/l	99
10) Methyl Iodide	3.95	142	204111	46.790	ug/l	99
11) Tert butyl alcohol	4.80	59	195292	297.759	ug/l	99
12) 1,1-Dichloroethene	3.73	96	145503	46.878	ug/l	98
13) Acrolein	3.60	56	112347	203.240	ug/l	100
14) Allyl chloride	4.32	41	252772	48.923	ug/l	99
15) Acrylonitrile	4.99	53	463006	255.174	ug/l	100
16) Acetone	3.82	43	355763	182.348	ug/l	100
17) Carbon Disulfide	4.05	76	295790	41.899	ug/l	100
18) Methyl Acetate	4.33	43	197792	51.792	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	514511	50.096	ug/l	99
20) Methylene Chloride	4.55	84	174014	47.264	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	156979	46.910	ug/l	97
22) Diisopropyl ether	5.96	45	537158	49.503	ug/l	94
23) Vinyl Acetate	5.90	43	2261266	264.214	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306373	49.187	ug/l	100
25) 2-Butanone	6.84	43	608229	235.549	ug/l	98
26) 2,2-Dichloropropane	6.82	77	216990	50.088	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	195694	49.984	ug/l	98
28) Bromochloromethane	7.19	49	145383	47.188	ug/l	99
29) Tetrahydrofuran	7.21	42	408762	259.041	ug/l	99
30) Chloroform	7.37	83	306377	49.848	ug/l	98
31) Cyclohexane	7.65	56	264670	44.014	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	243973	50.078	ug/l	100
36) 1,1-Dichloropropene	7.79	75	217231	45.046	ug/l	98
37) Ethyl Acetate	6.93	43	238733	50.374	ug/l	99
38) Carbon Tetrachloride	7.77	117	202422	48.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260827	43.833	ug/l	99
40) Benzene	8.04	78	692453	46.681	ug/l	99
41) Methacrylonitrile	7.18	41	97511	46.595	ug/l	98
42) 1,2-Dichloroethane	8.12	62	230425	47.069	ug/l	100
43) Isopropyl Acetate	8.17	43	397058	54.334	ug/l	98
44) Trichloroethene	8.83	130	186437	46.658	ug/l	97
45) 1,2-Dichloropropane	9.12	63	190971	48.139	ug/l	98
46) Dibromomethane	9.21	93	121538	48.969	ug/l	99
47) Bromodichloromethane	9.40	83	224762	51.060	ug/l	99
48) Methyl methacrylate	9.20	41	179181	48.929	ug/l	99
49) 1,4-Dioxane	9.20	88	76166	1002.247	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1174962	249.109	ug/l	99
52) Toluene	10.16	92	424676	46.827	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	241411	47.255	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273700	51.632	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183080	50.223	ug/l	99
56) Ethyl methacrylate	10.43	69	273063	51.256	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299419	48.893	ug/l	100
59) 2-Hexanone	10.75	43	816593	235.561	ug/l	99
60) Dibromochloromethane	10.90	129	178810	47.830	ug/l	98
61) 1,2-Dibromoethane	11.00	107	183197	49.205	ug/l	99
64) Tetrachloroethene	10.63	164	169658	44.368	ug/l	99
65) Chlorobenzene	11.43	112	458480	47.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171507	52.302	ug/l	99
67) Ethyl Benzene	11.51	91	802758	47.121	ug/l	100
68) m/p-Xylenes	11.62	106	597427	95.691	ug/l	99
69) o-Xylene	11.95	106	293647	47.541	ug/l	100
70) Stvrene	11.96	104	491065	49.738	ug/l	99
71) Bromoform	12.13	173	123767	46.988	ug/l #	99
73) Isopropylbenzene	12.25	105	783269	52.060	ug/l	100
74) N-amyl acetate	12.07	43	303776	47.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255272	54.996	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	217325m	52.212	ug/l	
77) Bromobenzene	12.53	156	205580	45.801	ug/l	98
78) n-propylbenzene	12.59	91	843193	45.868	ug/l	100
79) 2-Chlorotoluene	12.67	91	513844	51.028	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	646024	51.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	64121	54.752	ug/l	94
82) 4-Chlorotoluene	12.77	91	503489	46.387	ug/l	100
83) tert-Butylbenzene	12.99	119	573359	52.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	617375	45.685	ug/l	99
85) sec-Butylbenzene	13.17	105	727781	45.043	ug/l	100
86) p-Isopropyltoluene	13.29	119	638424	46.041	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324384	47.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310673	47.159	ug/l	99
89) n-Butylbenzene	13.61	91	469290	44.706	ug/l	100
90) Hexachloroethane	13.87	117	108258	50.077	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	323357	47.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39202	52.779	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	136586	40.114	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	112233	49.037	ug/l	99
95) Naphthalene	15.13	128	383270	42.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155317	43.310	ug/l	98

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

