

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061988.D
 Acq On : 20 Jun 2020 9:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 10:30:32 AM

Quant Time: Jun 22 05:15:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	262747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100224	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.55	113	85010	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.06	98	324109	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	110561	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	95773	49.453	ug/l	98
3) Chloromethane	2.03	50	104809	50.727	ug/l	98
4) Vinyl Chloride	2.16	62	131233	53.280	ug/l	100
5) Bromomethane	2.52	94	86259	45.605	ug/l	98
6) Chloroethane	2.66	64	88947	53.359	ug/l	99
7) Trichlorofluoromethane	2.98	101	158110	53.740	ug/l	98
8) Diethyl Ether	3.37	74	55012	55.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78779	52.193	ug/l	99
10) Methyl Iodide	3.91	142	101450	55.086	ug/l	99
11) Tert butyl alcohol	4.73	59	73348	265.516	ug/l	99
12) 1,1-Dichloroethene	3.69	96	80584	53.283	ug/l	95
13) Acrolein	3.56	56	46411	281.099	ug/l	98
14) Allyl chloride	4.27	41	103517	51.571	ug/l	99
15) Acrylonitrile	4.93	53	201055	293.727	ug/l	99
16) Acetone	3.78	43	158715	269.159	ug/l	98
17) Carbon Disulfide	4.00	76	217499	49.150	ug/l	99
18) Methyl Acetate	4.28	43	99899	58.845	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	271864	53.989	ug/l	99
20) Methylene Chloride	4.50	84	96282	50.117	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	88263	50.809	ug/l	96
22) Diisopropyl ether	5.90	45	246562	53.709	ug/l	99
23) Vinyl Acetate	5.84	43	969517	268.518	ug/l	99
24) 1,1-Dichloroethane	5.80	63	158520	52.750	ug/l	98
25) 2-Butanone	6.79	43	244430	284.112	ug/l	98
26) 2,2-Dichloropropane	6.78	77	84675	33.491	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	106481	53.123	ug/l	95
28) Bromochloromethane	7.15	49	69397	51.865	ug/l	99
29) Tetrahydrofuran	7.17	42	164434	290.422	ug/l	99
30) Chloroform	7.33	83	168282	52.396	ug/l	99
31) Cyclohexane	7.61	56	126784	48.193	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	142039	51.930	ug/l	99
36) 1,1-Dichloropropene	7.75	75	121043	50.507	ug/l	98
37) Ethyl Acetate	6.88	43	105065	56.140	ug/l	99
38) Carbon Tetrachloride	7.73	117	121252	51.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	130481	50.563	ug/l	100
40) Benzene	8.00	78	380254	52.379	ug/l	97
41) Methacrylonitrile	7.13	41	46093	57.597	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	129204	52.196	ug/l	100
43) Isopropyl Acetate	8.13	43	173052	54.870	ug/l #	91
44) Trichloroethene	8.80	130	98118	51.356	ug/l	96
45) 1,2-Dichloropropane	9.08	63	94588	53.018	ug/l	99
46) Dibromomethane	9.17	93	66771	53.148	ug/l	98
47) Bromodichloromethane	9.37	83	135357	52.617	ug/l	99
48) Methyl methacrylate	9.17	41	79344	55.321	ug/l	99
49) 1,4-Dioxane	9.17	88	36389	1105.075	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	529712	284.222	ug/l	100
52) Toluene	10.12	92	245975	53.950	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	137589	50.382	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	148152	49.946	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	98134	54.706	ug/l	99
56) Ethyl methacrylate	10.40	69	135869	49.610	ug/l	99
57) 1,3-Dichloropropane	10.68	76	165132	54.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	271232	286.493	ug/l	99
59) 2-Hexanone	10.72	43	387271	259.554	ug/l	100
60) Dibromochloromethane	10.87	129	105791	52.852	ug/l	99
61) 1,2-Dibromoethane	10.98	107	100403	53.601	ug/l	100
64) Tetrachloroethene	10.60	164	79828	50.866	ug/l	99
65) Chlorobenzene	11.41	112	264353	50.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	97226	53.655	ug/l	98
67) Ethyl Benzene	11.48	91	460129	52.820	ug/l	98
68) m/p-Xylenes	11.60	106	359368	106.985	ug/l	100
69) o-Xylene	11.92	106	173647	54.179	ug/l	99
70) Styrene	11.94	104	294250	54.831	ug/l	100
71) Bromoform	12.10	173	71466	54.089	ug/l #	99
73) Isopropylbenzene	12.22	105	448588	52.187	ug/l	99
74) N-amyl acetate	12.05	43	149857	48.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	147165	52.659	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	118838m	50.041	ug/l	
77) Bromobenzene	12.50	156	110561	50.982	ug/l	99
78) n-propylbenzene	12.57	91	507546	51.747	ug/l	100
79) 2-Chlorotoluene	12.65	91	305281	51.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376900	52.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41009	47.098	ug/l	99
82) 4-Chlorotoluene	12.75	91	316006	51.915	ug/l	99
83) tert-Butylbenzene	12.97	119	312966	51.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	376553	53.640	ug/l	99
85) sec-Butylbenzene	13.15	105	418297	53.008	ug/l	99
86) p-Isopropyltoluene	13.26	119	375976	53.469	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	200325	50.648	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	198456	49.018	ug/l	99
89) n-Butylbenzene	13.59	91	294835	50.206	ug/l	99
90) Hexachloroethane	13.85	117	68581	53.281	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	198286	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25529	56.268	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87043	48.444	ug/l	98
94) Hexachlorobutadiene	14.98	225	34739	49.089	ug/l	97
95) Naphthalene	15.10	128	263450	44.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	89835	50.484	ug/l	99

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

