

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061887.D
 Acq On : 18 Jun 2020 7:29
 Operator : JC/MD
 Sample : L3011-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20200611MSD

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:09 AM

Quant Time: Jun 18 08:09:39 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	151419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	91176	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	7.55	113	78865	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.06	98	301911	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	12.38	95	102413	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109419	55.505	ug/l	97
3) Chloromethane	2.03	50	112469	53.511	ug/l	98
4) Vinyl Chloride	2.16	62	139972	55.864	ug/l	97
5) Bromomethane	2.52	94	94508	49.118	ug/l	99
6) Chloroethane	2.67	64	92669	54.648	ug/l	99
7) Trichlorofluoromethane	2.98	101	163725	54.705	ug/l	99
8) Diethyl Ether	3.37	74	56176	55.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81190	52.878	ug/l	99
10) Methyl Iodide	3.91	142	106662	56.755	ug/l	99
11) Tert butyl alcohol	4.73	59	74492	265.082	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	85745	55.733	ug/l	98
13) Acrolein	3.57	56	40126	238.909	ug/l	97
14) Allyl chloride	4.27	41	105760	51.795	ug/l	99
15) Acrylonitrile	4.93	53	190329	273.340	ug/l	99
16) Acetone	3.77	43	155883	259.871	ug/l	98
17) Carbon Disulfide	4.01	76	241476	53.642	ug/l	97
18) Methyl Acetate	4.28	43	77845	45.076	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	275427	53.768	ug/l	99
20) Methylene Chloride	4.50	84	99795	51.064	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	95781	54.201	ug/l	98
22) Diisopropyl ether	5.90	45	243629	52.170	ug/l	97
23) Vinyl Acetate	5.84	43	817108	222.467	ug/l	99
24) 1,1-Dichloroethane	5.80	63	161158	52.717	ug/l	97
25) 2-Butanone	6.78	43	236298	270.000	ug/l	99
26) 2,2-Dichloropropane	6.77	77	93990	36.544	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	110706	54.294	ug/l	96
28) Bromochloromethane	7.33	49	12986	9.541	ug/l #	6
29) Tetrahydrofuran	7.17	42	154052	267.469	ug/l	98
30) Chloroform	7.33	83	170546	52.200	ug/l	99
31) Cyclohexane	7.61	56	133476	49.876	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	148143	53.242	ug/l	99
36) 1,1-Dichloropropene	7.75	75	125841	52.142	ug/l	98
37) Ethyl Acetate	6.88	43	86363	45.824	ug/l	99
38) Carbon Tetrachloride	7.73	117	132341	55.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	138730	53.383	ug/l	99
40) Benzene	8.00	78	386000	52.798	ug/l	98
41) Methacrylonitrile	7.12	41	34945m	43.361	ug/l	
42) 1,2-Dichloroethane	8.08	62	129275	51.859	ug/l	100
43) Isopropyl Acetate	8.13	43	150121	47.266	ug/l	96
44) Trichloroethene	8.80	130	248746	129.283	ug/l	99
45) 1,2-Dichloropropane	9.08	63	95304	53.045	ug/l	97
46) Dibromomethane	9.17	93	67026	52.977	ug/l	98
47) Bromodichloromethane	9.37	83	137843	53.208	ug/l	98
48) Methyl methacrylate	9.17	41	77657	53.765	ug/l	99
49) 1,4-Dioxane	9.17	88	37663	1135.755	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	504406	268.748	ug/l	100
52) Toluene	10.12	92	251037	54.675	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	140503	51.088	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	148644	49.761	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	98572	54.565	ug/l	98
56) Ethyl methacrylate	10.40	69	134463	48.803	ug/l	99
57) 1,3-Dichloropropane	10.68	76	163470	53.413	ug/l	99
59) 2-Hexanone	10.72	43	369638	246.702	ug/l	99
60) Dibromochloromethane	10.87	129	111203	55.166	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99601	52.801	ug/l	97
64) Tetrachloroethene	10.60	164	82996	52.538	ug/l	98
65) Chlorobenzene	11.41	112	268537	51.346	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	98138	53.803	ug/l	100
67) Ethyl Benzene	11.48	91	473300	53.976	ug/l	100
68) m/p-Xylenes	11.59	106	369911	109.401	ug/l	99
69) o-Xylene	11.92	106	178526	55.336	ug/l	100
70) Stvrene	11.94	104	300610	55.649	ug/l	100
71) Bromoform	12.10	173	74161	55.761	ug/l #	98
73) Isopropylbenzene	12.22	105	462662	53.785	ug/l	99
74) N-amyl acetate	12.05	43	126999	41.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141643	50.646	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	115341m	48.533	ug/l	
77) Bromobenzene	12.50	156	115297	53.128	ug/l	97
78) n-propylbenzene	12.57	91	516990	52.672	ug/l	99
79) 2-Chlorotoluene	12.65	91	308355	52.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	381215	53.567	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41396	47.508	ug/l	99
82) 4-Chlorotoluene	12.75	91	323922	53.177	ug/l	99
83) tert-Butylbenzene	12.97	119	329063	54.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	390229	55.548	ug/l	100
85) sec-Butylbenzene	13.15	105	424568	53.764	ug/l	100
86) p-Isopropyltoluene	13.26	119	385816	54.829	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	205979	52.040	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	206842	51.052	ug/l	99
89) n-Butylbenzene	13.59	91	299469	50.959	ug/l	100
90) Hexachloroethane	13.85	117	70529	54.755	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	202326	53.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24644	54.278	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	92669	51.538	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	34140	48.208	ug/l	95
95) Naphthalene	15.10	128	284986	47.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	95115	53.413	ug/l	99

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

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