

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061675.D
 Acq On : 5 Jun 2020 17:27
 Operator : JC/MD
 Sample : L2904-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:49:11 AM

Quant Time: Jun 06 04:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	343802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	536224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	275811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	186367	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	7.55	113	150129	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.06	98	638172	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.38	95	236997	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	175993	44.466	ug/l	97
3) Chloromethane	2.03	50	176306	42.045	ug/l	99
4) Vinyl Chloride	2.16	62	241964	42.108	ug/l	98
5) Bromomethane	2.52	94	151402	45.917	ug/l	98
6) Chloroethane	2.67	64	157137	42.484	ug/l	99
7) Trichlorofluoromethane	2.98	101	295542	39.884	ug/l	98
8) Diethyl Ether	3.37	74	100404	44.312	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	148590	45.188	ug/l	97
10) Methyl Iodide	3.91	142	203466	44.574	ug/l	98
11) Tert butyl alcohol	4.73	59	144988	266.111	ug/l	100
12) 1,1-Dichloroethene	3.69	96	151964	43.257	ug/l	95
13) Acrolein	3.57	56	44327	285.160	ug/l	93
14) Allyl chloride	4.27	41	191247	41.641	ug/l	96
15) Acrylonitrile	4.93	53	356342	234.318	ug/l	99
16) Acetone	3.77	43	270563	239.406	ug/l	95
17) Carbon Disulfide	4.01	76	303599	39.280	ug/l	99
18) Methyl Acetate	4.28	43	166424	44.881	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	531128	44.361	ug/l	100
20) Methylene Chloride	4.50	84	176429	47.293	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	173063	43.683	ug/l	91
22) Diisopropyl ether	5.90	45	442019	43.666	ug/l	99
23) Vinyl Acetate	5.84	43	1688399	209.271	ug/l	98
24) 1,1-Dichloroethane	5.80	63	281942	43.923	ug/l	98
25) 2-Butanone	6.79	43	441269	227.306	ug/l	97
26) 2,2-Dichloropropane	6.78	77	235333	40.056	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	207901	46.343	ug/l	96
28) Bromochloromethane	7.15	49	115202	47.744	ug/l	94
29) Tetrahydrofuran	7.17	42	292247	228.296	ug/l	96
30) Chloroform	7.33	83	320795	45.173	ug/l	98
31) Cyclohexane	7.61	56	233127	40.383	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	289373	44.720	ug/l #	49
36) 1,1-Dichloropropene	7.75	75	224848	45.157	ug/l	98
37) Ethyl Acetate	6.88	43	183890	45.853	ug/l	98
38) Carbon Tetrachloride	7.73	117	243241	50.645	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	255239	41.589	ug/l	96
40) Benzene	8.00	78	707542	46.054	ug/l	99
41) Methacrylonitrile	7.13	41	89797m	48.871	ug/l	
42) 1,2-Dichloroethane	8.08	62	231917	45.090	ug/l	99
43) Isopropyl Acetate	8.12	43	318596	44.156	ug/l	97
44) Trichloroethene	8.80	130	215366	45.614	ug/l	95
45) 1,2-Dichloropropane	9.08	63	170591	46.762	ug/l	98
46) Dibromomethane	9.17	93	128555	45.948	ug/l	96
47) Bromodichloromethane	9.37	83	256361	46.248	ug/l	99
48) Methyl methacrylate	9.17	41	139815	43.070	ug/l	97
49) 1,4-Dioxane	9.17	88	59129	1175.767	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	978186	240.580	ug/l	98
52) Toluene	10.12	92	478172	47.687	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	271930	45.538	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	288413	44.919	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	189592	47.458	ug/l	98
56) Ethyl methacrylate	10.40	69	271016	48.564	ug/l	96
57) 1,3-Dichloropropane	10.68	76	302506	47.345	ug/l	100
59) 2-Hexanone	10.72	43	721041	246.927	ug/l	98
60) Dibromochloromethane	10.87	129	224800	49.497	ug/l	99
61) 1,2-Dibromoethane	10.98	107	203398	48.817	ug/l	100
64) Tetrachloroethene	10.60	164	219971	43.580	ug/l	97
65) Chlorobenzene	11.41	112	529438	47.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	202853	48.877	ug/l	99
67) Ethyl Benzene	11.48	91	904917	46.972	ug/l	98
68) m/p-Xylenes	11.60	106	722313	94.561	ug/l	99
69) o-Xylene	11.92	106	346019	47.693	ug/l	99
70) Styrene	11.94	104	586793	48.839	ug/l	99
71) Bromoform	12.10	173	165038	51.606	ug/l #	99
73) Isopropylbenzene	12.22	105	912473	45.328	ug/l	100
74) N-amyl acetate	12.04	43	293941	46.366	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	259349	45.974	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	238248m	47.504	ug/l	
77) Bromobenzene	12.50	156	248638	48.387	ug/l	94
78) n-propylbenzene	12.57	91	1009047	44.900	ug/l	100
79) 2-Chlorotoluene	12.65	91	595706	44.454	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	755276	44.889	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	85031	43.357	ug/l	99
82) 4-Chlorotoluene	12.75	91	633420	44.932	ug/l	100
83) tert-Butylbenzene	12.97	119	653515	43.960	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	756697	45.270	ug/l	98
85) sec-Butylbenzene	13.15	105	827086	43.176	ug/l	100
86) p-Isopropyltoluene	13.26	119	778644	44.138	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	432681	47.551	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	436674	47.108	ug/l	99
89) n-Butylbenzene	13.59	91	622276	42.114	ug/l	99
90) Hexachloroethane	13.85	117	116435	59.681	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	413187	47.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	49005	42.595	ug/l	90
93) 1,2,4-Trichlorobenzene	14.89	180	243947	47.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	90345	41.654	ug/l	98
95) Naphthalene	15.10	128	759654	49.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	233973	46.793	ug/l	98

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

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