

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061762.D
 Acq On : 11 Jun 2020 21:08
 Operator : JC/MD
 Sample : L2988-12MSD 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 5:46:26 PM

Quant Time: Jun 12 06:38:29 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	342108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	532200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	267562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	168632	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	
35) Dibromofluoromethane	7.55	113	133411	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.06	98	585711	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.38	95	212110	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	180402	45.771	ug/l	96
3) Chloromethane	2.03	50	170329	40.821	ug/l	100
4) Vinyl Chloride	2.16	62	246752	43.153	ug/l	99
5) Bromomethane	2.52	94	158382	48.271	ug/l	98
6) Chloroethane	2.66	64	165230	44.893	ug/l	98
7) Trichlorofluoromethane	2.98	101	310378	42.093	ug/l	100
8) Diethyl Ether	3.37	74	102676	45.539	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	162177	49.564	ug/l	95
10) Methyl Iodide	3.91	142	219265	48.273	ug/l	98
11) Tert butyl alcohol	4.73	59	141276	260.582	ug/l	99
12) 1,1-Dichloroethene	3.69	96	159501	45.627	ug/l	92
13) Acrolein	3.57	56	29282	177.566	ug/l	100
14) Allyl chloride	4.27	41	186667	40.845	ug/l	96
15) Acrylonitrile	4.93	53	345784	228.502	ug/l	99
16) Acetone	3.77	43	261338	232.202	ug/l	99
17) Carbon Disulfide	4.01	76	296183	38.510	ug/l	97
18) Methyl Acetate	4.27	43	167514	45.399	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	537958	45.154	ug/l	99
20) Methylene Chloride	4.50	84	188824	51.003	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	183592	46.570	ug/l	92
22) Diisopropyl ether	5.90	45	452598	44.933	ug/l	98
23) Vinyl Acetate	5.84	43	1670730	208.106	ug/l	97
24) 1,1-Dichloroethane	5.80	63	297843	46.630	ug/l	100
25) 2-Butanone	6.78	43	413331	213.969	ug/l	98
26) 2,2-Dichloropropane	6.78	77	240608	41.157	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	219820	49.242	ug/l	95
28) Bromochloromethane	7.15	49	107526	44.694	ug/l	93
29) Tetrahydrofuran	7.16	42	269777	211.786	ug/l	95
30) Chloroform	7.33	83	336622	47.637	ug/l	98
31) Cyclohexane	7.61	56	237778	41.393	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	300728	46.705	ug/l	99
36) 1,1-Dichloropropene	7.75	75	232277	49.301	ug/l	99
37) Ethyl Acetate	6.88	43	174519	45.991	ug/l	97
38) Carbon Tetrachloride	7.73	117	254645	56.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	266882	45.958	ug/l	97
40) Benzene	8.00	78	750943	51.658	ug/l	100
41) Methacrylonitrile	7.13	41	86717	49.878	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	241603	49.644	ug/l	99
43) Isopropyl Acetate	8.13	43	303848	44.507	ug/l	96
44) Trichloroethene	8.80	130	683883	153.081	ug/l	95
45) 1,2-Dichloropropane	9.08	63	179113	51.890	ug/l	100
46) Dibromomethane	9.17	93	135260	51.093	ug/l	96
47) Bromodichloromethane	9.37	83	277133	52.838	ug/l	99
48) Methyl methacrylate	9.17	41	133854	43.578	ug/l	94
49) 1,4-Dioxane	9.17	88	67688	1422.485	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	895701	232.818	ug/l	97
52) Toluene	10.12	92	490402	51.687	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	284953	50.432	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	305790	50.333	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	199676	52.824	ug/l	98
56) Ethyl methacrylate	10.40	69	262788	49.767	ug/l	97
57) 1,3-Dichloropropane	10.68	76	312234	51.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	244753	108.464	ug/l	99
59) 2-Hexanone	10.72	43	643311	232.833	ug/l	96
60) Dibromochloromethane	10.87	129	235451	54.790	ug/l	100
61) 1,2-Dibromoethane	10.98	107	208806	52.964	ug/l	100
64) Tetrachloroethene	10.60	164	244732	50.796	ug/l	98
65) Chlorobenzene	11.41	112	551641	51.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	215774	54.468	ug/l	99
67) Ethyl Benzene	11.48	91	952682	51.808	ug/l	100
68) m/p-Xylenes	11.60	106	759888	104.221	ug/l	98
69) o-Xylene	11.92	106	361645	52.222	ug/l	98
70) Styrene	11.94	104	613489	53.495	ug/l	98
71) Bromoform	12.10	173	167971	55.026	ug/l #	100
73) Isopropylbenzene	12.22	105	951371	48.717	ug/l	100
74) N-amyl acetate	12.05	43	265636	43.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	255225	46.638	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	237593m	48.834	ug/l	
77) Bromobenzene	12.50	156	258258	51.809	ug/l	95
78) n-propylbenzene	12.57	91	1065374	48.868	ug/l	100
79) 2-Chlorotoluene	12.65	91	624282	48.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	794301	48.664	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	83574	43.927	ug/l	97
82) 4-Chlorotoluene	12.75	91	657190	48.055	ug/l	99
83) tert-Butylbenzene	12.97	119	688178	47.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	802018	49.461	ug/l	99
85) sec-Butylbenzene	13.15	105	887608	47.764	ug/l	99
86) p-Isopropyltoluene	13.26	119	829221	48.454	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	451278	51.124	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	452274	50.295	ug/l	99
89) n-Butylbenzene	13.59	91	660644	46.089	ug/l	99
90) Hexachloroethane	13.85	117	122845	64.907	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	432015	51.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	45740	40.983	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	249676	50.608	ug/l	99
94) Hexachlorobutadiene	14.99	225	104818	49.816	ug/l	99
95) Naphthalene	15.11	128	703576	46.854	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	245527	50.617	ug/l	98

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

